



# **SUMATHI REDDY**

## **INSTITUTE OF TECHNOLOGY FOR WOMEN**

*L e a r n i n g a t i t s b e s t*

**Affiliated to JNTUH - Approved by AICTE**

No. SRITW/Prin/2019

Date: 16-02-2019

### **CIRCULAR**

All the students are hereby informed that our college is offering value-added courses. Interested students can register their names with the respective course coordinator. A detailed brochure regarding the courses is available in the notice board.

**Criteria for Certification** Attendance  $\geq 75\%$  and marks secured  $\geq 70\%$ .

#### **\*: Imp dates:\***

**Registrations opening date: 22-02-2019**

**Registrations closing date: 28-02-2019**

**Course start date: 01-03-2019**

**Course end date: 09-04-2019**

Courses offered:

1. Softskills
2. Ethical Hacking
3. Real Time Applications in Java
4. Advanced Software Testing

Copy to

HOD (CSE, ECE, EEE, H&SC)

Administrative Officer

In-charge, Exam Branch

Library

Notice Board

To be read in classrooms

Principal

**Principal**

**Sumathi Reddy Institute of Technology for Women**  
**Ananthasagar (V), Hasanparthy (M)**  
**WARANGAL - 506 371 (TS)**



## **A COURSE ON REAL TIME APPLICATIONS IN JAVA**

**Organized by the Department of Computer Science and Engineering**

### ❖ **Course Objectives:**

- Understand the syntax, control structures, data structures of java programming language.
- Ability to demonstrate simple Java programs.
- Ability to code any given algorithm, or provide a solution to real-life-problem using JAVA language
- Ability to build Desktop Applications with GUI (Graphical User Interface).
- Database connectivity to create real-life/business solutions
- Inculcating the ability to enjoy coding and build simple games like Tic-Tac-Toe etc.

### ❖ **Course Coordinator:**

**Ms.R.Nethravathi**  
Asst. Prof, CSE

For registrations contact: **6305006501**



### ❖ **Course Instructors:**

1. Ms.S.Shwetha  
Asst. Prof,CSE
2. Mr.K.Ranganath  
Asst. Prof,CSE

### ➤ **Venue:**

**Lecture Hall: 201 & 202**  
**Timings: 3:10PM-4:00PM**

**Course Start Date: 01-03-2019**

**Course End Date: 09-04-2019**

**Principal**



Sumathi Reddy Institute of Technology for Women

Ananthasagar (V), Hasanparthy (M)

WARANGAL - 506 371 (TS)



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### **Real Time Applications in Java**

**Date: 01-03-2019 to 09-04-2019**

#### **Course Content**

Introduction to topic, Basic concepts related to java and how can we implement this programming language in real time.

- Desktop GUI Applications
- Mobile Applications
- Enterprise Applications
- Scientific Applications
- Web-based Applications
- Embedded Systems
- Big Data Technologies
- Distributed Applications
- Cloud-based Applications
- Web servers and Application servers
- Software Tools
- Gaming Applications

#### **Course Outcomes**

After the completion of course, the students will be able to:

- Understand the syntax, control structures, data structures of java programming language.
- Ability to demonstrate simple Java programs.
- Ability to code any given algorithm, or provide a solution to real-life-problem using JAVA language
- Ability to build Desktop Applications with GUI (Graphical User Interface) and
- Database connectivity to create real-life/business solutions
- Inculcating the ability to enjoy coding and build simple games like Tic-Tac-Toe etc



*Rijan*

**Principal**

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# SUMATHI REDDY

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*L e a r n i n g a t i t s b e s t*

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List of Registered Students for Real Time Applications in java

Batch: 1

Date: 01-03-2019 to 09-04-2019

Sno	Roll no	Name of the Student
1	156Y1A0521	ENUMULA SRAVANI
2	156Y1A0522	ERRA SRUTHI
3	156Y1A0523	ERUKU POORNIMA
4	156Y1A0524	GALIPELLI PRAVALLIKA
5	156Y1A0525	GANDE KAVYASRI
6	156Y1A0526	GARIGANTI SAIRACHANA
7	156Y1A0527	GATTU ARCHANA
8	156Y1A0528	GOLI ALEKYA
9	156Y1A0529	GOURISHETTI MADHURI
10	156Y1A0530	GUDEPU MAMATHA
11	156Y1A0531	GUNTUPALLI CHANDANA
12	156Y1A0532	GURRALA SONIYA
13	156Y1A0533	HAFSAA MAHVEENN
14	156Y1A0534	HAJIRA TAHREEM
15	156Y1A0535	IRFANA ANJUM
16	156Y1A0536	JANGILI RAMYA
17	156Y1A0537	JEEDIPALLY LAVANYA
18	156Y1A0538	JONNA VARSHA
19	156Y1A0539	JULAPALLI SRAVANI
20	156Y1A0540	JULURU SPANDANA
21	156Y1A0541	KALVACHARLA HIMA BINDU
22	156Y1A0542	KANDIKONDA RAVALI
23	156Y1A0543	KANDIMALLA SANGEETHA
24	166Y1A05A6	VARANGANTI SHRUTHI
25	166Y1A05A7	VATTE SOUMYA
26	166Y1A05A8	VEMUGANTI SHIRISHA
27	166Y1A05A9	VEMULA HARSHITHA
28	166Y1A05B0	VENNAPUREDDY ANUSHA
29	166Y1A05B1	VUGANTI SHLOKA
30	166Y1A05B2	VYANALA POOJA
31	166Y1A05B3	YADAVALLI SAHAJA
32	166Y1A05B4	YELLU PREETHI
33	166Y1A05B5	ZOHRA PARVEEN
34	176Y1A0593	SYEDA SAMIYA FATHIMA
35	176Y1A0594	THALLA SAHITHI REDDY

*R. Nisha*  
Course-coordinator

Ananthasagar, Hasanparthy, Warangal - 506371. Website: www.sritw.org

Phone no: 0870-2818302. Email: principal@sritw.org

Ananthasagar (V), Hasanparthy (M)

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Batch: 2

Date: 01-03-2019 to 09-04-2019

Sno	Roll no	Name of the student
1	176Y1A05A1	THUMULA RASHI
2	176Y1A05A2	VADAPALLY CHANDANA
3	176Y1A05A3	VALUSA SRI TEJA
4	186Y1A0459	MUSHAM SAHITHI
5	186Y1A0460	MYDAM CHANDHANA
6	186Y1A0461	NEHA KOUSAR
7	186Y1A0462	NERELLA USHASREE
8	186Y1A0463	NIHARIKA ENUMULA
9	186Y1A0464	PAMERA LAXMI KALYANI
10	186Y1A0465	PARUPELLI KAVYA
11	186Y1A0466	PATHA SOUMYA
12	186Y1A0467	PATTEM YOGITHA SHIVANI
13	186Y1A0468	PEDDAMMA SUSHMA
14	186Y1A0469	PERUMANDLA KAVYA SRI
15	186Y1A0470	POKALA HIMABINDU
16	186Y1A0471	POLAMPELly SUMANA REDDY
17	196Y1A0541	GUDURU KEERTHANA
18	196Y1A0542	GUFFRANA ANJUM
19	196Y1A0543	GUNDA ANUHYA
20	196Y1A0544	GURRAM MEGHANA
21	196Y1A0545	HAUSA KAINATH
22	196Y1A0546	JULURI NIKHITHA SRI
23	196Y1A0547	KADARI KRUTHI
24	196Y1A0548	KAKKERLA NEHA
25	196Y1A0549	KALIMI NIHARIKA
26	196Y1A0550	KANDARAPU SWATHI
27	196Y1A0551	KANDHAGATLA SRUTHI
28	176Y1A0595	THANGELLAPALLY PRANATHI
29	176Y1A0596	THATHARI VARSHINIKA
30	176Y1A0597	THATIPAMULA JYOTHSNA
31	176Y1A0598	THOKALA NEHA
32	176Y1A0599	THONDAPU SPOORTHY
33	176Y1A05A0	THOTA DEEKSHA

*Nelheer*  
Course-coordinator



*Rijan*

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# REAL TIME APPLICATIONS IN JAVA

BATCH-1

Course Instructor : S.Shwetha

DATE :			1/3	2/3	3/3	4/3	5/3	6/3	7/3	8/3	9/3	10/3	11/3	12/3	13/3	14/3	15/3	16/3	17/3	18/3	19/3	20/3	21/3	22/3	23/3	24/3	25/3	26/3	27/3	28/3	29/3	30/3
SNO	NAME	ROLL NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	156Y1A0521	ENUMULA SRAVANI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	156Y1A0522	ERRA SRUTHI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
3	156Y1A0523	ERUKU POORNIMA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4	156Y1A0524	GALIPELLI PRAVALLIKA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5	156Y1A0525	GANDE KAVYASRI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
6	156Y1A0526	GARIGANTI SAIRACHANA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
7	156Y1A0527	GATTU ARCHANA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
8	156Y1A0528	GOLI ALEK YA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
9	156Y1A0529	GOURISHETTI MADHURI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10	156Y1A0530	GUDEPU MAMATHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
11	156Y1A0531	GUNTUPALLI CHANDANA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
12	156Y1A0532	GURRALA SONIYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
13	156Y1A0533	HAFAA MAHVEENN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
14	156Y1A0534	HAJIRA TAHREEM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15	156Y1A0535	IRFANA ANJUM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
16	156Y1A0536	JANGILI RAMYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
17	156Y1A0537	JEEDIPALLY LAVANYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
18	156Y1A0538	JONNA VARSHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
19	156Y1A0539	JULAPALLI SRAVANI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
20	156Y1A0540	JULURU SPANDANA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
21	156Y1A0541	KALVACHARLA HIMA BINDU	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
22	156Y1A0542	KANDIKONDA RAVALI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
23	156Y1A0543	KANDIMALLA SANGEETHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
24	166Y1A05A6	VARANGANTI SHRUTHI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
25	166Y1A05A7	VATTE SOUMYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
26	166Y1A05A8	VEMUGANTI SHIRISHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
27	166Y1A05A9	VEMULA HARSHITHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
28	166Y1A05B0	VENNAPUREDDY ANUSHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
29	166Y1A05B1	VUGANTI SHLOKA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
30	166Y1A05B2	VYANALA POOJA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	166Y1A05B3	YADAVALLI SAHAJA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
32	166Y1A05B4	YELLU PREETHI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
33	166Y1A05B5	ZOHRA PARVEEN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
34	176Y1A0593	SYEDA SAMIYA FATHIMA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
35	176Y1A0594	THALLA SAHITHI REDDY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30



Principal

Sumathi Reddy Institute of Technology for Women

Ananthasagar (V), Hasanparthy (M)

WARANGAL - 506 371 (TS)



**Course Instructor : S.Shwetha**



**Sumathi Reddy Institute of Technology for Women  
Ananthasagar (V), Hasanparthy (M)  
WARANGAL - 506 371 (TS)**

Nethra  
Course Coordinator







DATE :			24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
SNO	NAME	ROLL NO	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60								
1	176Y1A05A1	THUMULA RASHI	28	29	30	A	31	89%																																
2	176Y1A05A2	VADAPALLY CHANDANA	A	29	30	31	32	91%																																
3	176Y1A05A3	VALUSA SRI TEJA	28	29	A	30	31	89%																																
4	186Y1A0459	MUSHAM SAHITHI	29	30	A	31	32	91%																																
5	186Y1A0460	MYDAM CHANDHANA	29	30	31	A	32	91%																																
6	186Y1A0461	NEHA KOUSAR	28	29	30	31	32	91%																																
7	186Y1A0462	NERELLA USHASREE	27	28	29	30	31	89%																																
8	186Y1A0463	NIHARIKA ENUMULA	28	29	A	30	31	89%																																
9	186Y1A0464	PAMERA LAXMI KALYANI	A	A	29	30	31	89%																																
10	186Y1A0465	PARUPELLI KAVYA	27	28	29	30	31	89%																																
11	186Y1A0466	PATHA SOUMYA	28	A	29	A	30	86%																																
12	186Y1A0467	PATTEM YOGITHA SHIVANI	29	A	30	31	32	91%																																
13	186Y1A0468	PEDDAMMA SUSHMA	28	29	30	31	32	91%																																
14	186Y1A0469	PERUMANDLA KAVYA SRI	A	28	29	30	31	89%																																
15	186Y1A0470	POKALA HIMABINDU	29	30	A	31	32	91%																																
16	186Y1A0471	POLAMPELly SUMANA REDDY	27	28	29	A	30	86%																																
17	196Y1A0541	GUDURU KEERTHANA	28	A	29	30	31	89%																																
18	196Y1A0542	GUFFRANA ANJUM	28	29	30	A	31	89%																																
19	196Y1A0543	GUNDA ANUHYA	28	29	30	A	31	89%																																
20	196Y1A0544	GURRAM MEGHANA	27	28	29	30	A	86%																																
21	196Y1A0545	HAUSA KAINATH	28	A	29	30	31	89%																																
22	196Y1A0546	JULURI NIKHITHA SRI	29	30	31	32	A	91%																																
23	196Y1A0547	KADARI KRUTHI	28	29	A	30	31	89%																																
24	196Y1A0548	KAKKERLA NEHA	28	29	30	31	32	91%																																
25	196Y1A0549	KALIMI NIHARIKA	29	30	31	32	A	91%																																
26	196Y1A0550	KANDARAPU SWATHI	28	A	29	30	31	89%																																
27	196Y1A0551	KANDHAGATLA SRUTHI	29	A	30	31	32	91%																																
28	176Y1A0595	THANGELLAPALLY PRANATHI	28	29	30	A	31	89%																																
29	176Y1A0596	THATHARI VARSHINIKA	28	29	30	31	A	89%																																
30	176Y1A0597	THATIPAMULA JYOTHSNA	28	29	A	30	31	89%																																
31	176Y1A0598	THOKALA NEHA	28	29	30	31	32	91%																																
32	176Y1A0599	THONDAPU SPOORTHY	29	A	30	31	32	91%																																
33	176Y1A05A0	THOTA DEEKSHA	A	28	29	30	31	89%																																

Rajan





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## INSTITUTE OF TECHNOLOGY FOR WOMEN

*Learning at its best*

Affiliated to JNTUH - Approved by AICTE

Students Eligible for Certification as per eligibility criteria

Course:Real Time Applications in Java

Date:01-03-2019 to 09-04-2019

S.No	Roll Number	Name	Marks
1	156Y1A0521	ENUMULA SRAVANI	23
2	156Y1A0522	ERRA SRUTHI	18
3	156Y1A0523	ERUKU POORNIMA	20
4	156Y1A0524	GALIPELLI PRAVALLIKA	22
5	156Y1A0525	GANDE KAVYASRI	21
6	156Y1A0526	GARIGANTI SAIRACHANA	18
7	156Y1A0527	GATTU ARCHANA	20
8	156Y1A0528	GOLI ALEKYA	24
9	156Y1A0529	GOURISHETTI MADHURI	21
10	156Y1A0530	GUDEPU MAMATHA	24
11	156Y1A0531	GUNTUPALLI CHANDANA	22
12	156Y1A0532	GURRALA SONIYA	21
13	156Y1A0533	HAFSAA MAHVEENN	20
14	156Y1A0534	HAJIRA TAHREEM	21
15	156Y1A0535	IRFANA ANJUM	23
16	156Y1A0536	JANGILI RAMYA	23
17	156Y1A0537	JEEDIPALLY LAVANYA	18
18	156Y1A0538	JONNA VARSHA	20
19	156Y1A0539	JULAPALLI SRAVANI	22
20	156Y1A0540	JULURU SPANDANA	21
21	156Y1A0541	KALVACHARLA HIMA BINDU	18
22	156Y1A0542	KANDIKONDA RAVALI	20
23	156Y1A0543	KANDIMALLA SANGEETHA	24
24	166Y1A05A6	VARANGANTI SHRUTHI	21
25	166Y1A05A7	VATTE SOUMYA	24
26	166Y1A05A8	VEMUGANTI SHIRISHA	22
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33	166Y1A05B5	ZOHRA PARVEEN	20
34	176Y1A0593	SYEDA SAMIYA FATHIMA	22
35	176Y1A0594	THALLA SAHITHI REDDY	21
36	176Y1A05A1	THUMULA RASHI	18
37	176Y1A05A2	VADAPALLY CHANDANA	20

Ananthasagar, Hasanparthy, Warangal -506371, Telangana. Website: [www.sritw.org](http://www.sritw.org)

Phoneno: 0870-2818302. Email: [principal@sritw.org](mailto:principal@sritw.org).



*Rijan*

**Principal**

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Ananthasagar (M), Hasanparthy (M)

WARANGAL - 506 371 (TS)





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39	186Y1A0459	MUSHAM SAHITHI	21
40	186Y1A0460	MYDAM CHANDHANA	24
41	186Y1A0461	NEHA KOUSAR	22
42	186Y1A0462	NERELLA USHASREE	21
43	186Y1A0463	NIHARIKA ENUMULA	20
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54	196Y1A0543	GUNDA ANUHYA	21
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56	196Y1A0545	HAUSA KAINATH	22
57	196Y1A0546	JULURI NIKHITHA SRI	21
58	196Y1A0547	KADARI KRUTHI	20
59	196Y1A0548	KAKKERLA NEHA	21
60	196Y1A0549	KALIMI NIHARIKA	23
61	196Y1A0550	KANDARAPU SWATHI	23
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63	176Y1A0595	THANGELLAPALLY PRANATHI	20
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65	176Y1A0597	THATIPAMULA JYOTHSNA	21
66	176Y1A0598	THOKALA NEHA	18
67	176Y1A0599	THONDAPU SPOORTHY	20
68	176Y1A05A0	THOTA DEEKSHA	24



*Rijan*

**Principal**

Sumathi Reddy Institute of Technology for Women  
Ananthasagar (V), Hasanparthy (M)  
WARANGAL - 506 371 (TS)

*Nelheawathi*  
Course-coordinator





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22  
25

1564/AD52U

G. pravallika

Test (Real Time Applications in Java)

Duration: 1hr

Marks: 25

1. Which of the following below live on the heap in java?  
a) class   b) Instance variable   c) Method   d) Object
2. Which of the following interface is used to declare core methods in java?  
a) Set   b) EventListner   c) Collection   d) Comparator
3. Which of these interface handle sequences?  
a) Set   b) List   c) Comparator   d) Collection
4. Which of this interface must contain a unique element?  
a) Set   b) List   c) Array   d) Collection
5. Which of the following declarations does not compile?  
a) double num1, int num2 = 0;   b). int num1, num2;  
c). int num1, num2 = 0;   d). int num1 = 0, num2 = 0;
6. What is the output of following program?  
public class Test {

( P )

( C )

( B )

( A )

( A )

32, 33, 34, 35, 36

```
public static void main(String[] args) {  
    for(int i = 0; i < 5; i++) {  
        System.out.println(i + "");  
    }  
}
```

### Output

7. What is the output of following program?  
import java.util.ArrayList;  
public class Test {

[1, 1, 1]

```
public static void main(String[] args) {  
    ArrayList arrList = new ArrayList();  
    arrList.add(1);  
    arrList.add('1');  
    arrList.add("1");  
  
    System.out.println(arrList);  
}
```



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## Output

8. What is the output of following program? *Exception in thread "main" java.lang*

```
public class Test {  
    public static void main(String[] args) {  
        for(int i=0; 0; i++) {  
            System.out.println("Hello World!");  
        }  
    }  
}
```

## Output

9. Which statement about a valid .java file is true?

- a). It can only contain one class declaration.
- b). It can contain one public class declaration and one public interface definition.
- c). It must define at least one public class.
- d). It may define at most one public class.

( D )

10. What is the output of following program?

```
public class Test {  
    private static int one = 10;  
    int two = 20;  
    public static void main(String []args) {  
        Test test = new Test();  
        int today = 20; two = 40;  
        System.out.println(today + test.two + test.one);  
    }  
}
```

## Output

11. What is the output of following program? *[2,5]*

```
public class Test{  
    static int start = 2;  
    final int end;  
    public Test(int x) {  
        x = 4;  
        end = x;  
    }  
    public void fly(int distance) {  
        System.out.println(end-start+" ");  
        System.out.println(distance);  
    }  
    public static void main(String []args){  
        new Test(10).fly(5);  
    }  
}
```

## Output



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12.. What is the output of following program? **Error** ✓

```
public class Test
{
    public static void main(String a[]) {
        try {
            int val = 10/0;
        } catch(Exception e) {
            System.out.println(e);
        } catch(ArithmeticException ae) {
            System.out.println(ae);
        }
    }
}
```

**Output**

13. What is the output of following program? **2,3:2** ✓

```
public class Test
{
    static void charNum(String inputString) {
        HashMap<Character, Integer>charMap = new HashMap<Character, Integer>();
        char[] strArray = inputString.toCharArray();
        for(char c: strArray) {
            if(charMap.containsKey(c)) {
                charMap.put(c, charMap.get(c)+1);
            } else {
                charMap.put(c, 1);
            }
        }
        Set<Character>charInString = charMap.keySet();
        for(Character ch: charInString) {
            if(charMap.get(ch) > 1) {
                System.out.println(ch + " : " + charMap.get(ch));
            }
        }
    }

    public static void main(String[] args) {
        charNum("JavaJ2Ee");
    }
}
```

**Output**

14. Which of the following declarations does not compile?

- a). double num1, int num2 = 0;      b). int num1, num2;  
c). int num1, num2 = 0;              d). int num1 = 0, num2 = 0;

( **A** ) ✓

15. What is the output of the following?

```
public static void main(String... args) {
    String chair, table = "metal";
    chair = chair + table;
```

( **D** ) ✓



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```
System.out.println(chair);
```

```
}
```

a). metal      b).metalmetal    c). nullmetal    d). The code does not compile

16. Which is correct about an instance variable of type String?

a). It defaults to an empty string.    b). It defaults to null.    c). It does not have a default value.    ( B )

d). It will not compile without initializing on the declaration line

17. How many of the following methods compile?

public class Test

```
{
```

```
    public String convert(int value) {  
        return value.toString();
```

```
    }
```

```
    public String convert(Integer value) {  
        return value.toString();
```

```
    }
```

```
    public String convert(Object value) {  
        return value.toString();
```

```
    }
```

```
    public static void main(String... args) {  
        Test obj = new Test();  
        System.out.println(obj.convert(10));
```

```
    }
```

```
}
```

a). None      b). One      c). Two      d). Three

18.. Which of the following does not compile?

a). int num = 999;    b). int num = 9\_9\_9;    c). int num = \_9\_99;

d). None of the above; they all compile.    ( C )

19. Which is the first line to trigger a compiler error?

```
double d1 = 5f; // p1
```

```
double d2 = 5.0; // p2
```

```
float f1 = 5f; // p3
```

```
float f2 = 5.0; // p4
```

a). p1    b). p2      c). p3      d). p4    ( A )

20. How many instance initializers are in this code?

```
public class Bowling {
```

```
{
```

```
    System.out.println();
```

```
}
```

```
    public Bowling () {
```

```
        System.out.println();
```

```
    }
```

```
    static {
```



*Rijan*

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```
System.out.println();
```

```
}
```

```
System.out.println();
```

```
}
```

a). None                      b). One                      c). Two                      d). Three

21. What is true of the finalize() method?

( A ) ✓

- a). It may be called zero or one times.                      b). It may be called zero or more times.  
c). It will be called exactly once.                      d). It may be called one or more times.

22. Which of the following is true about primitives?

( B ) ✓

- a). You can call methods on a primitive.  
b). You can convert a primitive to a wrapper class object simply by assigning it.  
c). You can convert a wrapper class object to a primitive by calling valueOf().  
d). You can store a primitive directly into an ArrayList.

23. What is the output of the following?

( D ) ✗

```
Integer integer = new Integer(4);
```

```
System.out.print(integer.byteValue());
```

```
System.out.print("-");
```

```
int i = new Integer(4);
```

```
System.out.print(i.byteValue());
```

- a). 4-0                      b). 4-4                      c). The code does not compile.  
d). The code compiles but throws an exception at runtime

24. Which two primitives have wrapper classes that are not merely the name of the primitive with an uppercase letter?

( D ) ✗

- a). byte and char                      b). byte and int                      c). char and int                      d). None of the above

25. How do you force garbage collection to occur at a certain point?

( D ) ✓

- a). Call System.forceGc()                      b). Call System.gc()  
c). Call System.requireGc()                      d). None of the above

*Rajani*

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18  
25

156YIA05a2

E. Southi

Test(Real Time Applications in Java)

Duration: 1hr

Marks: 25

1. Which of the following below live on the heap in java?  
a) class b) Instance variable c) Method d) Object
2. Which of the following interface is used to declare core methods in java?  
a) Set b) EventListner c) Collection d) Comparator
3. Which of these interface handle sequences?  
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4. Which of this interface must contain a unique element?  
a) Set b) List c) Array d) Collection
5. Which of the following declarations does not compile?  
a) double num1, int num2 = 0; b). int num1, num2;  
c). int num1, num2 = 0; d). int num1 = 0, num2 = 0;
6. What is the output of following program?  
public class Test {

```
    public static void main(String[] args) {  
        for(int i = 0; i < 5; i++) {  
            System.out.println(i + ' ');  
        }  
    }
```

Output

7. What is the output of following program?  
import java.util.ArrayList;  
public class Test {

```
    public static void main(String[] args) {  
        ArrayList arrList = new ArrayList();  
        arrList.add(1);  
        arrList.add('1');  
        arrList.add("1");  
  
        System.out.println(arrList);  
    }
```



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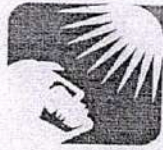
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### Output

8. What is the output of following program?

```
public class Test {
```

```
    public static void main(String[] args) {
        for(int i=0; 0; i++) {
            System.out.println("Hello World!");
        }
    }
}
```

10

2

### Output

9. Which statement about a valid .java file is true?

- a). It can only contain one class declaration.
- b). It can contain one public class declaration and one public interface definition.
- c). It must define at least one public class.
- d). It may define at most one public class.

10. What is the output of following program?

```
public class Test {
```

```
    private static int one = 10;
    int two = 20;
```

```
    public static void main(String []args) {
        Test test = new Test();
        int today = 20; two = 40;
        System.out.println(today + test.two + test.one);
    }
}
```

### Output

11. What is the output of following program?

```
public class Test{
```

```
    static int start = 2;
    final int end;
    public Test(int x) {
        x = 4;
        end = x;
    }
    public void fly(int distance) {
        System.out.println(end-start+" ");
        System.out.println(distance);
    }
}
```

```
public static void main(String []args){
    new Test(10).fly(5);
}
```

### Output



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12.. What is the output of following program?

public class Test

```
{
    public static void main(String a[]) {
        try {
            int val = 10/0;
        } catch(Exception e) {
            System.out.println(e);
        } catch(ArithmeticException ae) {
            System.out.println(ae);
        }
    }
}
```

Error

Output

13. What is the output of following program?

public class Test

```
{
    static void charNum(String inputString) {
        HashMap<Character, Integer>charMap = new HashMap<Character, Integer>();
        char[] strArray = inputString.toCharArray();
        for(char c: strArray) {
            if(charMap.containsKey(c)) {
                charMap.put(c, charMap.get(c)+1);
            } else {
                charMap.put(c, 1);
            }
        }
        Set<Character>charInString = charMap.keySet();
        for(Character ch: charInString) {
            if(charMap.get(ch) > 1) {
                System.out.println(ch + " : " + charMap.get(ch));
            }
        }
    }

    public static void main(String[] args) {
        charNum("JavaJ2Ee");
    }
}
```

2, j: 2

Output

14. Which of the following declarations does not compile?

- a). double num1, int num2 = 0;      b). int num1, num2;  
c). int num1, num2 = 0;      d). int num1 = 0, num2 = 0;

( A )

15. What is the output of the following?

```
public static void main(String... args) {
    String chair, table = "metal";
    chair = chair + table;
}
```

( D )



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```
System.out.println(chair);
}
```

D ✓

a). metal      b).metalmetal    c). nullmetal    d). The code does not compile

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( B ) ✓

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( C ) ✓

```
public class Test
```

```
{
```

```
    public String convert(int value) {
        return value.toString();
    }
```

```
    public String convert(Integer value) {
        return value.toString();
    }
```

```
}
```

```
    public String convert(Object value) {
        return value.toString();
    }
```

```
}
```

```
    public static void main(String... args) {
        Test obj = new Test();
        System.out.println(obj.convert(10));
    }
```

```
}
```

a). None      b). One      c). Two      d). Three

18.. Which of the following does not compile?

( C ) ✓

a). int num = 999;    b). int num = 9\_9\_9;    c). int num = \_9\_99;

d). None of the above; they all compile.

19. Which is the first line to trigger a compiler error?

( A ) ✓

```
double d1 = 5f; // p1
```

```
double d2 = 5.0; // p2
```

```
float f1 = 5f; // p3
```

```
float f2 = 5.0; // p4
```

a). p1    b). p2      c). p3      d). p4

20. How many instance initializers are in this code?

( A ) ✓

```
public class Bowling {
```

```
{
```

```
    System.out.println();
```

```
}
```

```
    public Bowling () {
```

```
        System.out.println();
```

```
}
```

```
    static {
```



Rijan

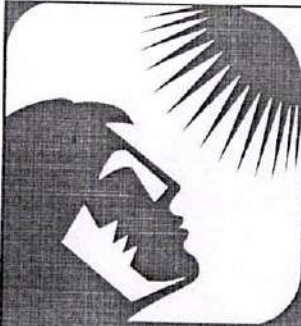
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## Certificate

This Certificate is awarded to

HAJIRA TAHREEM(156Y1A0534)

For completion of course on Real Time Applications in Java conducted from 01-03-2019 to 09-04-2019.

Ms.R.Netharvathi  
Coordinator

Dr.E.Sudarshan  
Head of the Department



Dr.I.Rajasri Reddy  
**Principal**  
Sumathi Reddy Institute of Technology for Women  
Ananthasagar (V), Hasanparthy (M)  
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```
System.out.println();
```

```
}
```

```
System.out.println();
```

```
}
```

- a). None                      b). One                      c). Two                      d). Three

21. What is true of the finalize() method?

- a). It may be called zero or one times.                      b). It may be called zero or more times.  
c). It will be called exactly once.                      d). It may be called one or more times.

( A )

22. Which of the following is true about primitives?

- a). You can call methods on a primitive.  
b). You can convert a primitive to a wrapper class object simply by assigning it.  
c). You can convert a wrapper class object to a primitive by calling valueOf().  
d). You can store a primitive directly into an ArrayList.

( B )

23. What is the output of the following?

```
Integer integer = new Integer(4);
```

```
System.out.print(integer.byteValue());
```

```
System.out.print("-");
```

```
int i = new Integer(4);
```

```
System.out.print(i.byteValue());
```

- a). 4-0                      b). 4-4                      c). The code does not compile.  
d). The code compiles but throws an exception at runtime

( A )

24. Which two primitives have wrapper classes that are not merely the name of the primitive with an uppercase letter?

- a). byte and char                      b). byte and int                      c). char and int                      d). None of the above

( C )

25. How do you force garbage collection to occur at a certain point?

- a). Call System.forceGc()                      b). Call System.gc()  
c). Call System.requireGc()                      d). None of the above

( A )

*Rajan*

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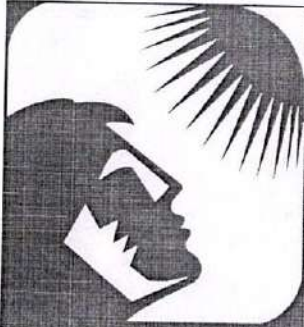
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## Certificate

This Certificate is awarded to

THUMULA RASHI(176Y1A05A1)

For completion of course on Real Time Applications in Java conducted from 01-03-2019 to 09-04-2019.

Ms.R.Netharvathi  
Coordinator

Dr.E.Sudarshan  
Head of the Department

Dr.I.Rajasri Reddy  
Principal



*Rajai*  
**Principal**  
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