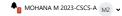
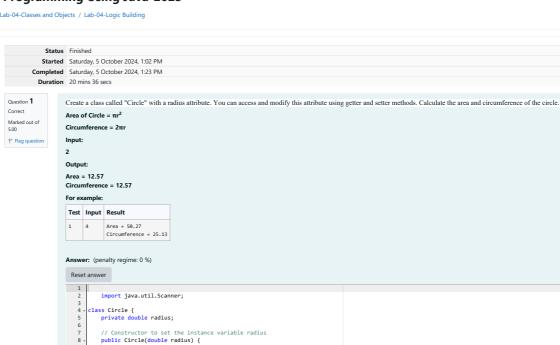
REC-CIS



## **CS23333-Object Oriented Programming Using Java-2023**

Dashboard / My courses / CS23333-OOPUJ-2023 / Lab-04-Classes and Objects / Lab-04-Logic Building





Test	Input	Expected	Got
1	4		Area = 50.27 Circumference = 25.13
2	6		Area = 113.10 Circumference = 37.70
3	2		Area = 12.57 Circumference = 12.57
	l tests!		

Question 2
Correct
Marked out of 5.00
F Flag question

Create a class Student with two private attributes, name and roll number. Create three objects by invoking different constructors available in the class Student.

Student()

Student(String name)

Student(String name, int rollno)
Input:

No input

Output:

No-arg constructor is invoked 1 arg constructor is invoked

2 arg constructor is invoked Name = null , Roll no = 0

Name =Rajalakshmi , Roll no = 0 Name =Lakshmi , Roll no = 101

For example:

Test Result

1 No-arg constructor is invoked
1 arg constructor is invoked
2 arg constructor is invoked
Name =null, Roll no = 0
Name =Rajalashmi, Roll no = 0
Name =Lakshmi , Roll no = 181

Answer: (penalty regime: 0 %)

1 | public class Student {

```
Test Expected

1 No-arg constructor is invoked
1 arg constructor is invoked
2 arg constructor is invoked
Name =null, Roll no = 0
Name =Rajalakshini, Roll no = 0
Name =Lakshmi, Roll no = 101

Passed all tests!
```

Question **3**Correct
Marked out of 5.00

F Flag question

Create a Class Mobile with the attributes listed below,

private String manufacturer; private String operating\_system; public String color; private int cost;

Define a Parameterized constructor to initialize the above instance variables.

Define getter and setter methods for the attributes above.

for example : setter method for manufacturer is

void setManufacturer(String manufacturer){
this.manufacturer= manufacturer;

}

String getManufacturer(){

return manufacturer;}

Display the object details by overriding the to String() method.  $\label{eq:continuous}$ 

## For example:

```
Test Result

manufacturer = Redmi
operating_system = Andriod
color = Blue
cost = 34000
```

Answer: (penalty regime: 0 %)

```
1 * | public class Mobile {
2     private String manufacturer;
3     private String operating_system;
4     public String color;
5     private int cost;
                          // Warameterized constructor
public Mobile(String manufacturer, String operating_system, String color,
    this.manufacturer = manufacturer;
    this.operating_system = operating_system;
    this.color = color;
    this.cost = cost;
                           // Setter for manufacturer
public void setManufacturer(String manufacturer) {
    this.manufacturer = manufacturer;
       15
16
       17
18
19
                            // Getter for manufacturer
public String getManufacturer() {
    return manufacturer;
}
       20
21
       22
23
       24
25
       26
27
28
                            public void setOperatingSystem(String operating_system) {
    this.operating_system = operating_system;
       29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
                            // Getter for operating_system
public String getOperatingSystem() {
    return operating_system;
                            // Setter for color
public void setColor(String color) {
    this.color = color;
                           // Getter for color
public String getColor() {
    return color;
}
                           // Setter for cost
public void setCost(int cost) {
   this.cost = cost;
                          // Getter for cost
public int getCost() {
    return cost;
                                                                                                                                                                                                                                                                                                                                                                                                                              -
```

Test Expected Got

1 manufacturer = Redmi manufact