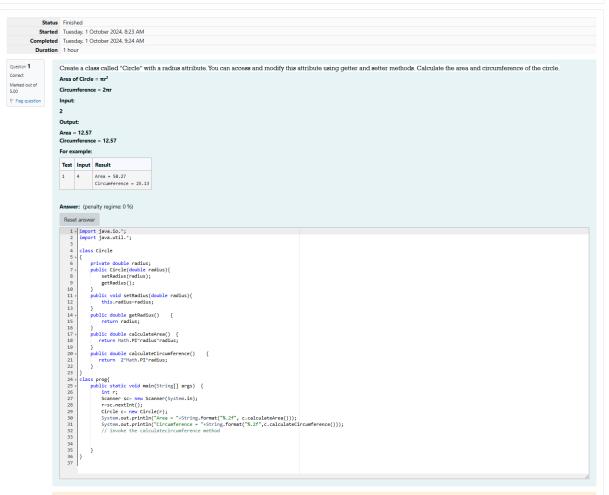
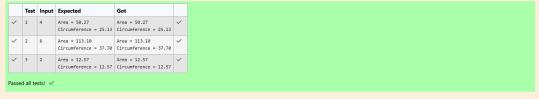
REC-CIS MITHESH THARUN S 2023-CSE-C M2 ~

## CS23333-Object Oriented Programming Using Java-2023

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Question 2 Marked out of 5.00 Create a Class Mobile with the attributes listed below

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

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(){

Display the object details by overriding the toString() method.

For example:

1 manufacturer = Redmi operating\_system = Andriod color = Blue cost = 34000

```
er: (penalty regime: 0 %)
```

```
| import java.util.*;
| import java.util.*;
| upublic class Mobile{
| private String monufacturer;
| private String operating system;
| public String color;
| public String color;
| public String color;
| public String color;
| operating system;
| operating system, String operating system, String color, int cost){
| this.manufacturer-manufacturer;
| this.manufacturer system: operating system;
| this.manufacturer system: operating sy
       8
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                                                                                                                                         this.color=color;
this.cost=cost;
                                                                                                      public String getManufacturer(){
    return manufacturer;
                                                                                               public void setManufacturer(String manufacturer){
    this.manufacturer=manufacturer;
```

```
}
public String getOperatingSystem(){
   return operating_system;
                  public void setOperatingSystem(String operating_system){
    this.operating_system=operating_system;
                   public int getCost(){
    return cost;
                  public void setCost(){
    this.cost=cost;
                  }
@bverride
public String toString(){
    return "manufacturer = "+manufacturer+"\n"+
    "operating_system = "+operating_system+"\n"+
    "color = "+color+"\n"+
    "cost = "+cost;
                  }
public static void main(String args[]){
   Mobile m=new Mobile("Redmi", "Andriod", "Blue", 34000);
   System.out.println(m.toString());
```

```
Test Expected
                                                          Got

    1 manufacturer = Redmi manufacturer = Redmi operating_system = Andriod color = Blue cost = 34000 cost = 34000 cost = 34000
Passed all tests! 🗸
```

Question 3 Correct Marked out of 5.00 ₹ Flag question

→ Lab-04-MCQ

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(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 = Rajalakshmi , Roll no = 0

Name = Lakshmi , Roll no = 101
```

```
Answer: (penalty regime: 0 %)
```

```
Answer: (penalty regime: 0.56)

1. public class Student{
    private string name;
    private int rollno;
    this.name-noll;
    this.name-noll;
    this.name-noll;
    this.name-name;
    public Student(){
        this.name-name;
        this.rollno-rollno;
        system.out.println("2 arg constructor is invoked");
        public Student(String name,int rollno){
        this.rollno-rollno;
        system.out.println("2" arg constructor is invoked");
        public String getName(){
        return name;
        }
        public string getName(){
        return name;
        }
        public int getRollno(){
        return name;
        hubic int getRollno(){
        return rollno;
        public int getRollno(int rollno){
        this.rollno-rollno;
        }
        public string toString(){
        return name;
        return name;
        public string toString(){
        return name;
        public string toString(){
        return name;
        return name;
        return name;
        public string toString(){
        return name;
        return name;
        student si-new Student();
        student
```

```
Test Expected
                                                                                                                         Got
  1 No-eng constructor is invoked
1 arg constructor is invoked
2 arg constructor is invoked
2 arg constructor is invoked
2 arg constructor is invoked
Name =null, Roll no = 0
Name =fajalakshmi, Roll no = 0
Name =fajalakshmi, Roll no = 0
Name =takshmi, Roll no = 101
Name =takshmi, Roll no = 101
Name =takshmi, Roll no = 101
Passed all tests! 🗸
```

Number of Primes in a specified range -

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