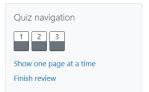
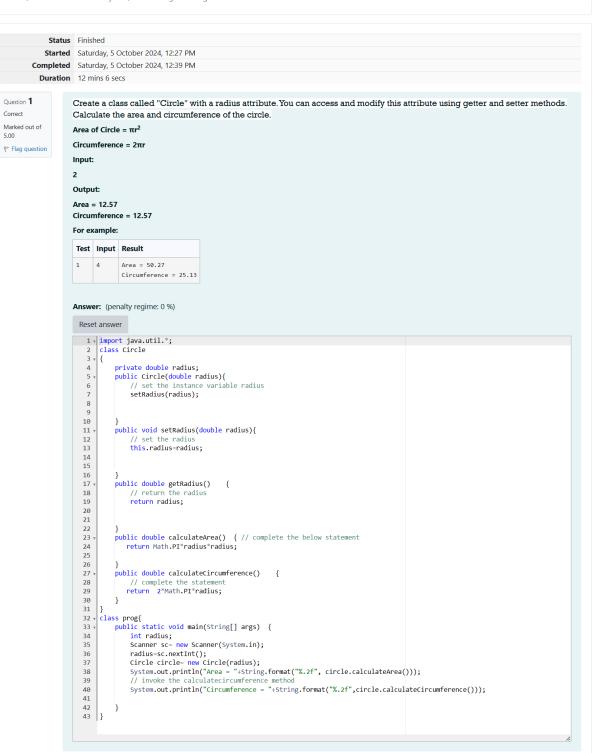
REC-CIS

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		~

Correct
Marked out of 5.00
Flag question

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.

Create a Class Mobile with the attributes listed below,

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 toString() method.

For example:

```
Test Result

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

Answer: (penalty regime: 0 %)

```
1 v class Mobile{
           private String m;
private String os;
            public String c;
            private int cost;
            public Mobile(String m,String os,String c,int cost){
                 this.m=m;
                 this.os=os;
10
                 this.c=c;
11
12
                 this.cost=cost;
13
            public void setManufacturer(String m){
14
                 this.m=m:
15
            public void setOperatingSystem(String os){
16
17
18
19
            public void setColor(String color){
20
                 this.c=c:
21
           public void setCost(int cost){
   this.cost=cost;
22 ·
23
24
25
26
27
            public String getManufacturer(){
                return m;
28
           public String getOperatingSystem(){
   return os;
30
32
            public String getColor(){
33
                return c;
34
35 ·
36
            public int getCost(){
                return cost;
37
38
39
40
           public String toString(){
    return "manufacturer = "+ m +"\n" +
    "operating_system = " + os + "\n" +
    "color = " + c + "\n" + "cost = " + cost;
41
42
43
44
45
      public class Prog{
   public static void main(string[] args){
      Mobile mobile=new Mobile("Redmi","Andriod","Blue",34000);
      System.out.println(mobile);
46
47
48
49
50
51 }
```

```
Test Expected

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

Passed all tests! ✓
```

Question **3**Correct
Marked out of 5.00

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()

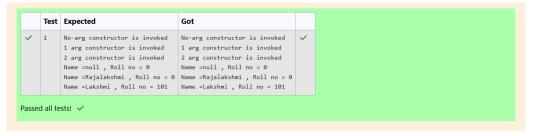
Student(String name)

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 =Raialakshmi , Roll no = 0
Name =Lakshmi , Roll no = 101
Test Result
      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 %)
  1 v import java.util.*;
2 v class Student{
            private String name;
private int rollNo;
```

```
public Student(){
                  System.out.println("No-arg constructor is invoked"); this.name=null;
 6
                   this.rollNo=0;
             public Student(string name){
    System.out.println("1 arg constructor is invoked");
10
11
12
13
                   this.name=name;
                   this.rollNo=0;
14
15
             public Student(String name,int rollNo){
                   System.out.println("2 arg constructor is invoked");
this.name=name;
16
17
18
                   this.rollNo=rollNo;
19
             public void display(){
    System.out.println("Name ="+(name!=null?name:"null")+" , Roll no = "+rollNo);
20
21
22
23
      public class Main{
  public static void main(String[] args){
    Student stu1=new Student();
    Student stu2=new Student("Rajalakshmi");
    Student stu3=new Student("Lakshmi",101);
    student stu3=new Student("Lakshmi",101);
24 *
25
26
27
28
                   stu1.display();
stu2.display();
29
30
31
                   stu3.display();
32
```



\$

Finish review

■ Lab-04-MCQ

Jump to...

Number of Primes in a specified range \blacktriangleright