



CJC

Complete Java Classes

by Kunal Sir

Assignment: -

Note: Perform all the task on note book and note pad.

Question 1. Take name, rollno and field of interest from user input by scanner and print in the below format:

Hey, my name is "-----" and my roll number is "-----". And my field of interest are "-----".

Question 2. Create a "SquarePA" class and take the side of a square from user and print area and perimeter of it?

Question 3. Create "Circle" class and also create one area() method inside this class and take two local variables inside the area() method with float data type then calculate the area of circle and call the area() method in java method and also take the variable input from scanner?

Where area of Circle is -- $\text{pie} * r^2$ (r = radius)

Question 4. Create "Rectangle" class and also create one area() method inside this class and take two local variables inside the area() method with double data type then calculate the area of rectangle and call the area() method in java method in "Test" class and also take the variable input from scanner?

Where area of Rectangle is -- $\text{length} * \text{width}$

Question 5. Create "Collage" class and print all the details of your collage in java main method and also take the variable input from scanner?

Solution: -



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```
import java.util.Scanner;

public class Collage
{
    public static void main(tring args[ ])
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter a Clgname")
        String clgname = sc.next();
        String cityname = -----;
        int pincode = -----;
        String type = -----;
        System.out.println("Collage Name = "+clgname);
        System.out.println("City Name = "+cityname);
        System.out.println("Pin Code = "+pincode);
        System.out.println("Institute Type = "+type);
    }
}
```

Question 6. Create a "Bank" class and print all the user account details in java main method (same as above program using local varibales) and also take the variable input from scanner?



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Question 7. If the marks of Robert in three subjects are entered through keyboard by scanner(each out of 100), write a program to calculate his total marks and percentage marks?

Question 8. Create a “Course” class and create details() method in it, which will print all details of course you have chosen. Then call details() method inside the java main method in “Test” class and also take the variable input from scanner? (Use variable instead of direct printing the data)

Question 9. Create a “Calculator” class and also create the 4 simple methods inside this class just like add(), sub(), mult() and div() then take the local variable inside all the method with integer data type and perform the arithmetic operation according to the method name and print the result with concatenation then call all these 4 methods inside the java main method in “Test” class and also take the variable input from scanner?

HOME WORK: -

Question 10. Create a “Company” class with following methods-

manager();

employee();

Inside Manager method: -

Print all details of Manager like – name, salary, experience, age, department by taking the user input etc.



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Inside Employee method: -

print all details of one employee like name, salary, city, age, department by taking the user input etc.

Then call the above two methods inside the java main method in Test Class.

Note – Use variables instead of direct printing the data.

Question 11. Create a “Addition”, “Subtraction”, “Multiplication” and “Division” class and also create the 4 simple methods inside the respective classes just like add(), sub(), mult() and div() then take the local variable inside all the method with integer data type for add() method, float data type for sub() method, double data type for mult() and long data type for div() then perform the arithmetic operation according to the method name and print the result with concatenation then call all these 4 methods inside the java main method in “Test” class and also take the variable input from scanner?