1. Create a class Emp with fields like empId, name,dept,salary,address.

Write required constructors for initialization

Write a method displayEmpDetails() in the same class.

Write another test class , where you have to take emp details from user using Scanner and create object and call methods.

public class Emp{

int empID;

String name;

String dept;

double sal;

String add;

Emp(int empID,String name,String dept,double sal,String add){

this.empID=empID;

this.name=name;

this.dept=dept;

this.sal=sal;

this.add=add;

}

void displayEmpDetail() {

System.*out*.println("Employ Id: "+empID);

System.*out*.println("Employ Name: "+name);

System.*out*.println("Employ Department: "+dept);

System.*out*.println("Employ salary: "+sal);

System.*out*.println("Employ Address: "+add);

}

}

import java.util.Scanner;

public class TestEmp {

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner sc = new Scanner(System.*in*);

System.*out*.println("Enter Emp Id");

int empId = sc.nextInt();

System.*out*.println("Enter Emp Name");

String name = sc.next();

System.*out*.println("Enter Emp Department name");

String dept = sc.next();

System.*out*.println("Enter Emp Salary");

double sal = sc.nextDouble();

System.*out*.println("Enter Emp Address");

String add = sc.next();

sc.close();

Emp ob = new Emp(empId, name, dept, sal, add);

ob.displayEmpDetail();

}

}

Output:

Enter Emp Id

101

Enter Emp Name

Ricky

Enter Emp Department name

IT

Enter Emp Salary

50000

Enter Emp Address

Pune

Employ Id: 101

Employ Name: Ricky

Employ Department: IT

Employ salary: 50000.0

Employ Address: Pune

2. Create a class Circle, it will have only one constructor which accepts radius as an argument. Write two methods in the class - calcuateArea(), calculatePermiter().

Write test class to test method calls.

public class Circle {

double rad;

final double PI = 3.14;

Circle(double rad){

this.rad=rad;

}

double calculateArea(){

double area = PI\*rad\*rad;

return area;

}

double calculatePerimeter(){

double peri = 2\*PI\*rad;

return peri;

}

}

import java.util.Scanner;

public class Testcircle {

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner sc = new Scanner(System.*in*);

System.*out*.println("Enter a Circle Radius to Calculate Area and Perimeter

: ");

float r = sc.nextFloat();

Circle c = new Circle(r);

double value\_area=c.calculateArea();

System.*out*.println("Area of Circle : "+value\_area);

double value\_perimeter=c.calculatePerimeter();

System.*out*.println("Perimeter of Circle : "+value\_perimeter);

sc.close();

}

}

OutPut:

Enter a Circle Radius to Calculate Area and Perimeter :

10.2

Area of Circle : 326.6855877822877

Perimeter of Circle : 64.05599880218506