IS2104

Rapid Application Development 2020

Assignment 06

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18020275

1,2,3.

```java
class Person{
    private int nic;
    private String name;
    private double height;
    private double weight;
    private int salary;

    public Person(int nic,String name,double height,double weight,int salary){
        setPersonalDetails(nic,name,height,weight,salary);
    }
    public void setPersonalDetails(int nic,String name,double height,double weight,int salary){
        this.nic=nic;
        this.name=name;
        this.height=height;
        this.weight=weight;
        this.salary=salary;
    }

    public void showPersonalDetails(){
        System.out.println("Nic "+nic);
        System.out.println("Name "+name);
        System.out.println("Height "+height);
        System.out.println("Weight "+weight);
        System.out.println("Salary "+salary);
    }
}
public class Main {
    public static void main(String[] args){
        Person p1=new Person(12345,"Anne",5.2,45.8,0);
        p1.showPersonalDetails();
        System.out.println();

        p1=new Person(23456,"Bob",6.5,57.6,0);
        p1.showPersonalDetails();
        System.out.println();

        Person p2=new Person(34567,"Cindy",4.8,45.1,0);
        p2.showPersonalDetails();


    }
}
```

```
Microsoft Windows [Version 10.0.17134.1069]
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C:\Users\Hansika>cd Desktop

C:\Users\Hansika\Desktop>javac Main.java

C:\Users\Hansika\Desktop>java Main
Nic 12345
Name Anne
Height 5.2
Weight 45.8
Salary 0

Nic 23456
Name Bob
Height 6.5
Weight 57.6
Salary 0

Nic 34567
Name Cindy
Height 4.8
Weight 45.1
Salary 0

C:\Users\Hansika\Desktop>
```

4.

```java
import java.util.*;
public class mycalc {
    int num1, num2;
    float ans;
    public static void main(String args[]){

        mycalc c= new mycalc();
        Scanner scan= new Scanner(System.in);

        System.out.println("Enter the first number: ");
        c.num1=scan.nextInt();

        System.out.println("");

        System.out.println("Enter the second number: ");
        c.num2=scan.nextInt();

        System.out.println("");
        c.addition();
        c.substract();
        c.mult();
        c.divide();
    }
    void addition(){
        ans=num1+num2;
        System.out.println("Addition of the two numbers is: "+ans);
        System.out.println("");
    }
    void substract(){
        ans=num1-num2;
        System.out.println("Sustraction of the two numbers is: "+ans);
        System.out.println("");
    }
    void mult(){
        ans=num1*num2;
        System.out.println("Multiplication of the two numbers is: "+ans);
        System.out.println("");
    }
    void divide(){
        ans=num1/num2;
        System.out.println("Division of the two numbers is: "+ans);
        System.out.println("");
    }
}
```

```
Microsoft Windows [Version 10.0.17134.1069]
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C:\Users\Hansika>cd Desktop

C:\Users\Hansika\Desktop>javac mycalc.java

C:\Users\Hansika\Desktop>java mycalc
Enter the first number:
10

Enter the second number:
2

Addition of the two numbers is: 12.0

Sustraction of the two numbers is: 8.0

Multiplication of the two numbers is: 20.0

Division of the two numbers is: 5.0
```