**Java Assignment 1**

1. **Program to print “Hello” on screen and name on a separate line.**

class Printing\_name

{

public static void main(String[] args)

{

System.out.println("Hello");

System.out.print("Neha");

}

}

**Output** :- Hello

Neha

1. **Program to print the sum of two numbers.**

class sum {

public static void main(String[] args)

{

int a= 10;

int b= 20;

int c;

c=a+b;

System.out.println(c);

}

}

**Output:**- 30

1. **Program to divide two numbers.**

class divide {

public static void main(String[] args)

{

int a= 10;

int b= 5;

int c;

c=a/b;

System.out.println(c);

}

}

**Output** :- 2

1. **Program to print result of the following operations :-**
2. **-5+8\*6**
3. **(-55+9)%9**
4. **20+ -3\*5/8**
5. **5+15/3\*2-8%3**

class Arithmetic\_operations {

public static void main(String[] args)

{

System.out.println(-5+8\*6);

System.out.println((-55+9)%9);

System.out.println(20+ -3\*5/8);

System.out.println(5+15/3\*2-8%3);

}

}

**Output:-** 43

-1

19

13

1. **Program to print the sum,multiply,subtract,divide and remainder of two numbers.**

class Arithmetic\_operations {

public static void main(String[] args)

{

int a=40;

int b=8;

System.out.println("Sum = "+ (a+b));

System.out.println("Subtraction = "+ (a-b));

System.out.println("Multiplication= "+ (a\*b));

System.out.println("Division = "+ (a/b));

System.out.println("Remainder = "+ (a%b));

}

}

**Output:-**

Sum = 48

Subtraction = 32

Multiplication = 320

Division = 5

Remainder = 0

1. **Program to print area and perimeter of a circle.**

class circle {

public static void main(String[] args)

{

float radius =12.5f; //area

float area= 3.14f \* (radius\*radius);

System.out.println("Area of the circle = "+ area);

float circumference = 2 \* 3.14f \*radius; // circumference

System.out.println("Circumference of the circle = "+ circumference);

}

}

**Output:-** Area of the circle = 490.62503

Circumference of the circle = 75.0

1. **Program to take three numbers as input to calculate and print average of the numbers.**

import java.util.Scanner;

class User\_input\_avg {

public static void main(String[] args)

{

Scanner myobj= new Scanner(System.in);

System.out.println("Enter 3 numbers :- ");

float a = myobj.nextFloat();

float b = myobj.nextFloat();

float c = myobj.nextFloat();

float avg =(a+b+c/3);

System.out.println("Average = "+ avg );

}

}

**Output**:-

Enter 3 numbers :-

20

30

40

Average = 63.333332

1. **Program to print the area and perimeter of a rectangle.**

class rectangle

{

public static void main(String[] args)

{

int l=30;

int b=20;

int area= l\*b; //area

int perimeter=2\*(l+b); //perimeter

System.out.println("Area = "+area);

System.out.println("Perimeter = "+perimeter);

}

}

**Output:-** Area = 600

Perimeter = 100

1. **Program to check whether the java is installed on your computer.**

public class Java\_inst\_check {

public static void main(String[] args)

{

System.out.println("\nJava Version: "+System.getProperty("java.version"));

System.out.println("Java Runtime Version: "+System.getProperty("java.runtime.version"));

System.out.println("Java Home: "+System.getProperty("java.home"));

System.out.println("Java Vendor: "+System.getProperty("java.vendor"));

System.out.println("Java Vendor URL: "+System.getProperty("java.vendor.url"));

System.out.println("Java Class Path: "+System.getProperty("java.class.path")+"\n");

}

}

**Output**:-

Java Version: 12.0.2

Java Runtime Version: 12.0.2+10

Java Home: C:\Program Files\Java\jdk-12.0.2

Java Vendor: Oracle Corporation

Java Vendor URL: https://java.oracle.com/

Java Class Path: .