

Assignment No:-1

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Batch:-April Date:-23/4/2024

1. Write a Java program to print 'Hello' on screen and your name on a separate line.

```
public class HelloAssignment
{
    public static void main(String[]args)
    {
        System.out.println("Hello");
        System.out.println("Suryawanshi Sangramsingh sambhaji");
    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac HelloAssignment.java
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java HelloAssignment
Hello
Suryawanshi Sangramsingh sambhaji
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>
```

2. Write a Java program to print the sum of two numbers.

```
public class SumAssignment
{
    public static void main(String[]args)
    {
        int a = 74;
        int b = 36;
        System.out.println("Sum of Two Numbers:"+(a+b));
    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac SumAssignment.java
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java SumAssignment
Sum of Two Numbers:110
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>
```

3. Write a Java program to divide two numbers and print them on the screen.

```
public class DivideAssignment
{
    public static void main(String[] args)
    {
        int a = 50;
        int b = 3;
        System.out.println("Division of two numbers:"+(a/b));
    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac DivideAssignment.java
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java DivideAssignment
Division of two numbers:16
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>
```

4. Write a Java program to print the results of the following operations.

```
public class OperationAssignment
{
    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:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac OperationAssignment.java
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java OperationAssignment
43
1
19
13
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>
```

5. Write a Java program that takes two numbers as input and displays the product of two numbers.

```
import java.util.Scanner;

public class ProductAssignment
{
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.print("Input Frist Number:");
        int a = sc.nextInt();
        System.out.print("Input Second Number:");
        int b = sc.nextInt();
        System.out.println("25 x 5="+a*b));
    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingment_Java_Codenera>javac ProductAssignment.java
C:\Users\Shree\Desktop\Assingment_Java_Codenera>java ProductAssignment
Input Frist Number:25
Input Second Number:5
25 x 5=125
C:\Users\Shree\Desktop\Assingment Java Codenera>
```

6. Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers.

```
import java.util.Scanner;

public class ArithmeticAssignment
{
    public static void main(String[]args)
    {
        Scanner sc = new Scanner(System.in);

        System.out.print("Input Frist Number:");

        int a = sc.nextInt();

        System.out.print("Input Second Number:");

        int b = sc.nextInt();

        System.out.println("125 + 24 =" +(a+b));

        System.out.println("125 - 24 = " +(a-b));

        System.out.println("125 x 24 = " +(a*b));

        System.out.println("125 / 24 = " +(a/b));

        System.out.println("125 mod 24 = " +(a%b));

    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac ArithmeticAssignment.java

C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java ArithmeticAssignment
Input Frist Number:125
Input Second Number:24
125 + 24 =149
125 - 24 = 101
125 x 24 = 3000
125 / 24 = 5
125 mod 24 = 5
```

7. Write a Java program that takes a number as input and prints its multiplication table up to 10.

```
import java.util.Scanner;

public class MultiplicationTableAssignment
{
    public static void main(String[]args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.print("Input Number:");
        int a = sc.nextInt();
        System.out.println("8 x 1 = "+(a*1));
        System.out.println("8 x 2 = "+(a*2));
        System.out.println("8 x 3 = "+(a*3));
        System.out.println("8 x 4 = "+(a*4));
        System.out.println("8 x 5 = "+(a*5));
        System.out.println("8 x 6 = "+(a*6));
        System.out.println("8 x 7 = "+(a*7));
        System.out.println("8 x 8 = "+(a*8));
        System.out.println("8 x 9 = "+(a*9));
        System.out.println("8 x 10 = "+(a*10));
    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac MultiplicationTableAssignment.java
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java MultiplicationTableAssignment
Input Number:8
8 x 1 = 8
8 x 2 = 16
8 x 3 = 24
8 x 4 = 32
8 x 5 = 40
8 x 6 = 48
8 x 7 = 56
8 x 8 = 64
8 x 9 = 72
8 x 10 = 80
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>
```

8. Write a Java program to display the following pattern.

```
public class PatternAssignment
{
    public static void main(String[]args)
    {
        System.out.println(" J a v v a ");
        System.out.println(" J a a v v a a ");
        System.out.println(" J J aaaaa V V aaaaa ");
        System.out.println(" JJ a a V a a ");
    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac PatternAssignment.java
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java PatternAssignment
 J a v v a
 J a a v v a a
 J J aaaaa V V aaaaa
 JJ a a V a a
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>
```


9. Write a Java program to compute the specified expressions and print the output.

```
public class ExpressionAssignment
{
    public static void main(String[] args)
    {
        System.out.println(((25.5 * 3.5 - 3.5 * 3.5) / (40.5 - 4.5)));
    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac ExpressionAssignment.java
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java ExpressionAssignment
2.138888888888889
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>
```

10. Write a Java program to compute a specified formula.

```
public class FormulaAssignment
{
    public static void main(String[] args)
    {
        System.out.println(4.0 * (1 - (1.0/3) + (1.0/5) - (1.0/7) + (1.0/9) - (1.0/11)));
    }
}
```

Output:

```
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>javac FormulaAssignment.java
C:\Users\Shree\Desktop\Assingnment_Java_Codenera>java FormulaAssignment
2.9760461760461765
```