Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Computer Programming Java

MOODLE LAB TASK 1

Faculty: Dr.Sathya Raj R

Slot: L3+L4+L29+L30

Venue: SJT 515

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Q1. Write a Java code to print "Hello World".

Code:

```java
public class Hello_World {

    public static void main(String[] args) {

    System.out.println("Hello World");

    }

}
```

OUTPUT:

Q2. Write a java code to find the greatest of 3 numbers.

Code:

```java
import java.util.*;
public class Greatestof3 {
   public static void main(String args[])
   {
   int a=10,b=20,c=30;
   if(a>b && a>c)
   {
      System.out.println("A is greatest");
   }
   else if (b>a && b>c)
   {
      System.out.println("B is greatest");
   }
   else
   {
      System.out.println("C is greatest");
   }
   }
}
```

OUTPUT:

```java
import java.util.*;
public class Greatestof3 {
    Run | Debug
    public static void main(String args[])
    {
    int a=10,b=20,c=30;
    if(a>b && a>c)
    {
        System.out.println(x:"A is greatest");
    }
    else if (b>a && b>c)
    {
        System.out.println(x:"B is greatest");
    }
    else
    {
        System.out.println(x:"C is greatest");
    }
    }
}
```

Q3. Write a Java code to print all arithmetic operations (+, - ,*, / , %) using 2 numbers.

Code:

```java
import java.util.*;

public class ArithmeticOperations {
    public static void main(String[] args) {
        int num1 =25;
        int num2 =5;

        int sum = num1 + num2;
        int difference = num1 - num2;
        int product = num1 * num2;
        int quotient = num1 / num2;
        int remainder = num1 % num2;

        System.out.println("Sum: " + sum);
        System.out.println("Difference: " + difference);
        System.out.println("Product: " + product);
        System.out.println("Quotient: " + quotient);
        System.out.println("Remainder: " + remainder);
    }
}
```

OUTPUT:

```java
import java.util.*;
public class ArithmeticOperations {
    Run | Debug
    public static void main(String[] args) {
        int num1 =25;
        int num2 =5;

        int sum = num1 + num2;
        int difference = num1 - num2;
        int product = num1 * num2;
        int quotient = num1 / num2;
        int remainder = num1 % num2;

        System.out.println("Sum: " + sum);
        System.out.println("Difference: " + difference);
        System.out.println("Product: " + product);
        System.out.println("Quotient: " + quotient);
        System.out.println("Remainder: " + remainder);
    }
}
```

PROBLEMS ④   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
PS C:\Users\Soumyojyoti Saha\OneDrive - vit.ac.in\Desktop\java sem 7> cd "c:\Users\Soumyojyoti Saha\
{ java ArithmeticOperations }
Sum: 30
Difference: 20
Product: 125
Quotient: 5
Remainder: 0
PS C:\Users\Soumyojyoti Saha\OneDrive - vit.ac.in\Desktop\java sem 7> []
```

Q4. Write a Java code to print all odd number till 25.

Code:

```java
public class OddNumbers {
    public static void main(String[] args) {
        for (int i = 1; i <= 25; i++) {
            if (i % 2 != 0) {
                System.out.println(i);
            }
        }
    }
}
```

OUTPUT:

```java
public class OddNumbers {
    Run | Debug
    public static void main(String[] args) {
        for (int i = 1; i <= 25; i++) {
            if (i % 2 != 0) {
                System.out.println(i);
            }
        }
    }
}
```

Q5. Write a Java code to print the pattern.

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Code:

```java
import java.util.*;
public class Pattern_2 {
    public static void main(String[] args) {
        for (int i = 0; i < 5; i++) { // Loop for rows
            for (int j = 0; j <=i; j++) { // Loop for columns
                System.out.print("*");
            }
            System.out.println(); // Move to the next line after each row
        }
    }
}
```

OUTPUT:

```java
J Pattern_2.java > Pattern_2 > main(String[])
1    import java.util.*;
2    public class Pattern_2 {
     Run | Debug
3        public static void main(String[] args) {
4            for (int i = 0; i < 5; i++) { // Loop for rows
5                for (int j = 0; j <=i; j++) { // Loop for columns
6                    System.out.print(s:"*");
7                }
8                System.out.println(); // Move to the next line after each row
9            }
10       }
11   }
12
13
```

PROBLEMS 4   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\Soumyojyoti Saha\OneDrive - vit.ac.in\Desktop\java sem 7> cd "c:\Users\Soumyojyoti Saha\OneDrive - vi
tern_2 }
*
**
***
****
*****
PS C:\Users\Soumyojyoti Saha\OneDrive - vit.ac.in\Desktop\java sem 7> |

Q6. Write a Java code to print the pattern.

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Code:

```java
import java.util.*;
public class Pattern_1 {
    public static void main(String[] args) {
        for (int i = 0; i < 5; i++) { // Loop for rows
            for (int j = 5; j > i; j--) { // Loop for columns
                System.out.print("*");
            }
            System.out.println(); // Move to the next line after each row
        }
    }
}
```


OUTPUT:

```java
import java.util.*;
public class Pattern_1 {
    public static void main(String[] args) {
        for (int i = 0; i < 5; i++) { // Loop for rows
            for (int j = 5; j > i; j--) { // Loop for columns
                System.out.print(s:"*");
            }
            System.out.println(); // Move to the next line after each row
        }
    }
}
```

END