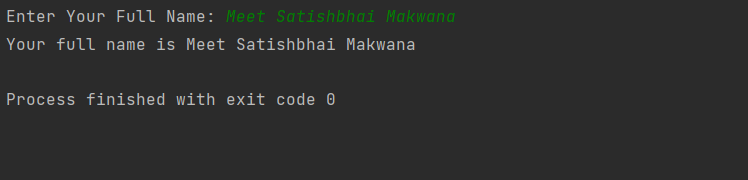
**Day 1: Practice of Java Program**

**Aim-1:** Write a program that demonstrate use case of User Input.

**Code:**

import java.util.Scanner;  
  
public class Main {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.print("Enter Your Full Name: ");  
 String name = sc.nextLine();  
 System.*out*.println("Your full name is "+name);  
 }  
}

**Output:**

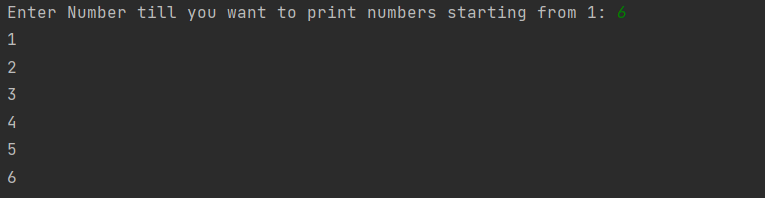


**Aim-2: Demonstration of For Loop, Printing 1 to n numbers when n is an input taken by user.**

**Code:**

import java.util.Scanner;  
  
public class Main {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.print("Enter Number till you want to print numbers starting from 1: ");  
 int num = sc.nextInt();  
  
 for (int i=1;i<=num;i++){  
 System.*out*.println(i);  
 }  
 }  
}

**Output:**



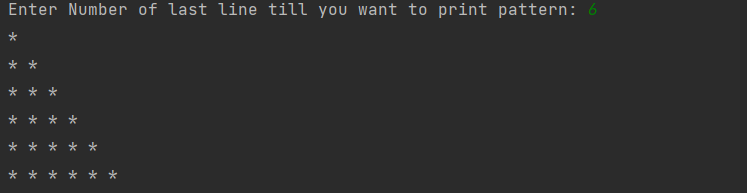
**Aim-3: Printing star pattern till n line using for loop.**

**;n=user input**

**Code:**

import java.util.Scanner;  
  
public class Main {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.print("Enter Number of last line till you want to print pattern: ");  
 int n = sc.nextInt();  
  
 for (int i=0;i<n;i++){  
 for (int j=0;j<i+1;j++){  
 System.*out*.print("\* ");  
 }  
 System.*out*.print("\n");  
 }  
 }  
}

**Output:**

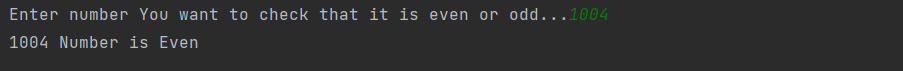


**Aim-4: Checking odd or even numbers using if…else statement:**

**Code:**

import java.util.Scanner;  
  
public class Practice\_Problems {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.print("Enter number You want to check that it is even or odd...");  
 int number = sc.nextInt();  
 if(number%2==0){  
 System.*out*.println(number + " Number is Even");  
 }  
 else {  
 System.*out*.println(number + " Number is Odd");  
 }  
 }  
}

**Output:**



**Aim-5: Inverted Right Triangle Star Pattern of any character Program using while loop**

**Code:**

import java.util.Scanner;  
  
public class ITriangle {  
 public static void main(String[] args)  
 {  
 Scanner sc=new Scanner(System.*in*);  
 System.*out*.print("Enter N : ");  
 int n=sc.nextInt();  
 System.*out*.print("Enter Symbol : ");  
 char c = sc.next().charAt(0);  
 int i=n,j;  
 while(i>0)  
 {  
 j=0;  
 while(j++<i)  
 System.*out*.print(c);  
 System.*out*.println();  
 i--;  
 }  
 }  
  
}

**Output:**



**Aim-6: Find a factorial of given number using Recursion.**

**Code:**

import java.util.Scanner;  
  
class Recursion{  
 static int factorial(int n){  
 if (n == 0)  
 return 1;  
 else  
 return(n \* *factorial*(n-1));  
 }  
 public static void main(String args[]){  
 int i,fact=1;  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.print("Enter a number for which you want to find factorial: ");  
 int number = sc.nextInt();  
 fact = *factorial*(number);  
 System.*out*.println("Factorial of "+number+" is: "+fact);  
 }  
}

**Output:**



**Aim-7: For Each Loop with Array.**

**Code:**

public class array {  
 public static void main(String[] args) {  
 int array[] = {33,1,6,32,52,5,6,1};  
 for(int i:array){  
 System.*out*.println(i);  
 }  
 }  
}

**Output:**



**Aim-8: Printing month name according it’s numeric value using switch statement**

**Code:**

import java.util.Scanner;  
  
public class SwitchMonthExample {  
 public static void main(String[] args) {  
 //Specifying month number  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.print("Enter number according to month: ");  
 int month = sc.nextInt();  
// int month=7;  
 String monthString="";  
 //Switch statement  
 switch(month){  
 //case statements within the switch block  
 case 1: monthString="1 - January";  
 break;  
 case 2: monthString="2 - February";  
 break;  
 case 3: monthString="3 - March";  
 break;  
 case 4: monthString="4 - April";  
 break;  
 case 5: monthString="5 - May";  
 break;  
 case 6: monthString="6 - June";  
 break;  
 case 7: monthString="7 - July";  
 break;  
 case 8: monthString="8 - August";  
 break;  
 case 9: monthString="9 - September";  
 break;  
 case 10: monthString="10 - October";  
 break;  
 case 11: monthString="11 - November";  
 break;  
 case 12: monthString="12 - December";  
 break;  
 default:System.*out*.println("Invalid Month!");  
 }  
 //Printing month of the given number  
 System.*out*.println(monthString);  
 }  
}

**Output:**

