Java Programs - <https://codescracker.com/java/program/java-program-check-leap-year.htm>

Different Types of Print Statements; Use of \n and \t in writing the outputs

**public** **static** **void** main(String[] args) {

System.***out***.println("This is just an Output");// This Prints an Output in Next Line

System.***out***.print("Only Print");// This Prints an Output in the same Line

System.***out***.print(" No Next Line");// This Prints an Output in the same Line

System.***out***.print("Using \n"); // \n Helps in Printing the next statement in a next line

System.***out***.print("Perfectly Worked");

System.***out***.print("Arun \t Niharka");//\t helps in giving a tab space in between two strings or chars

}

}

Printing 1 to 10 Numbers in vertical Line

**public** **static** **void** main(String[] args) {

**int** n = 1, i;

**for** (i = 0; i <= 9; i++) {

System.***out***.println(n);

n++;

}

}

}

Printing 1 – 100 Numbers in Two Dimensional Format

**public static void main(String[] args) {**

**int i, j, n=1;**

**for(i=0; i<=9; i++){**

**for(j=0; j<=9; j++){**

**System.out.print(n+" ");**

**n++;**

**}**

**System.out.println();**

**}**

**}**

Printing 1 to 45 in two dimension

**public** **static** **void** main(String[] args) {

**int** i, j, n = 1;

**for** (i = 0; i <= 9; i++) {

**for** (j = 0; j <= i; j++) {

System.***out***.print(n + " ");

n++;

}

System.***out***.println();

}

}

}

Average of 2 Numbers:

**public** **static** **void** main(String[] args) {

**int** a, b;

Scanner input = **new** Scanner(System.***in***);

System.***out***.println("Enter First Number");

a = input.nextInt();

System.***out***.println("Enter Second Number");

b= input.nextInt();

**int** sum = a+b;

System.***out***.println("The sum of tw numbers: "+sum);

**int** average = sum/2;

System.***out***.println("The Average of two numbers are: "+average);

}

}

Even or ODD verification

**public** **static** **void** main(String[] args) {

Scanner input = **new** Scanner(System.***in***);

System.***out***.println("Enter the Number");

**int** a = input.nextInt();

**if** (a % 2 == 0) {

System.***out***.println(a + "------->is an Even Number");

}

**else** {

System.***out***.println(a + "-------->is a odd number");

}

}

}

Prime Number

**int** num, i, count = 0;

Scanner input = **new** Scanner(System.***in***);

System.***out***.print("Enter a Number : ");

num = input.nextInt();

**for** (i = 2; i < num; i++) {

**if** (num % i == 0) {

count++;

**break**;

}

}

**if** (count == 0) {

System.***out***.print("This is a Prime Number");

} **else** {

System.***out***.print("This is not a Prime Number");

}

}}

Check Alphabet or Not?

**public** **static** **void** main(String[] args) {

Scanner input = **new** Scanner(System.***in***);

System.***out***.println("Enter the character");

**char** ch = input.next().charAt(0);

**if** ((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'B')) {

System.***out***.println(ch + "-----> is a Alphabet");

} **else** {

System.***out***.println(ch + "------> is not a Alphabet");

}

}

}

Check Vowel or Not

**public** **static** **void** main(String[] args) {

{

**int** i = 0;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter a character : ");

**char** ch = sc.next().charAt(0);

**if** (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' || ch == 'A' || ch == 'E' || ch == 'I'

|| ch == 'O' || ch == 'U') {

System.***out***.println("Entered character " + ch + " is Vowel");

} **else** **if** ((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z'))

System.***out***.println("Entered character " + ch + " is Consonant");

**else**

System.***out***.println("Not an alphabet");

}

}

}