

### Assignment2 (Using both If-else as well as ternary operator ?:)

- WAP to find out whether a Number is Even/Odd Number
- WAP to find out whether a Year is Leap Year or not
- WAP to find out whether a person is Adult or Not
- WAP to swap 2 numbers using 3 variables
- WAP to swap 2 numbers using 2 variables

### Assignment4 (Using Switch Case)

- WAP to ask to print Week day based on number (i.e. 7 for Sunday, 6 for Saturday)
- WAP to ask to print Month based on number (i.e. 1 for Jan, 2 for Feb) as well as number of days in that month

### Assignment5 (Using Loop & JAR concept of JAVA)

- WAP to print all Odd Number between 1 to 100
- WAP to find out whether a number is Prime OR Composite
- WAP to calculate Factorial of a number
- Bundle all above programs in a package "g2it.math" in a JAR file "LogicalMath.jar"
- Create a Client program in a separate package which use "LogicalMath.jar" file & provide below Screen-
  1. Print Odd Number
  2. Find out Prime or Composite Number
  3. Find out Factorial Number
  4. Exit

Enter an option (1 / 2 / 3) -

Do you want to Continue (Y / N)-

### Assignment6 (Using Command line Argument via both Command prompt & Eclipse)

- WAP where user can provide multiple numbers & output should be in tabulated for given below-

User Input Parameter	Sum total of parameter	Is Prime?	Is Peculiar?	Reverse
121	4	Yes	Yes	121
123	6	No	No	321

### Assignment7-

- WAP to find out average age of 10 users.
- WAP to Find the Second Largest & Smallest Elements in an Array\_
- [Write a Program to Cyclically Permute the Elements of an Array](#)
- [Write a Program to Read an Array and Search for an Element](#)
- [Write Program to accept Sorted Array and do Search using Binary Search](#) (Using Recursion)
- WAP which take input inside 5 \* 5 matrix array & print sum of all element of Left & right diagonal elements.
- WAP to identify common elements or numbers between two given arrays
- WAP to find out the duplicate numbers in an Array.
- WAP to sort an array using Bubble + Insertion + Selection sort.
- WAP to create a 10 JobSeeker along with Address. Print data in tabulated format for all 10 jobSeekers (id ---- name ----- city ----- country)
- WAP to find Largest Two Salary holder in a given 5 employees (id, salary)
- WAP to take user input for various languages & its version & print this double dimensional array in sorted order (First via Language & then its version). For ex-

Java	5.0
Java	9.0
C++	2.0
Java	8.0

## Assignment8 –

Determine the output:

- a. 

```
byte b=10;
b=b+10;
System.out.println("The value of b is " + b);
```
- b. 

```
byte b=10;
b+=10;
System.out.println("The value of b is " + b);
```
- c. 

```
char c = 3;
int a = 65;
char d = a;
System.out.println("The value of d is " + d);
```
- d. 

```
float f = 1.3;
System.out.println("The value of f is " + f);
```
- e. 

```
float f = 1.3f;
System.out.println("The value of f is " + f);
```
- f. 

```
float f = 6/2;
System.out.println("The value of f is " + f);
```
- g. 

```
float f = 6.0/2.0;
System.out.println("The value of f is " + f);
```
- h. 

```
byte b;
final int a = 10;
b=a;
System.out.println("The value of b is " + b);
```
- i. 

```
byte b;
final int a = 10;
final int x = a;
b = x;
System.out.println("The value of b is " + b);
```
- j. 

```
int y;
final int z = y;
b = z;
System.out.println("The value of b is " + b);
```
- k. 

```
public class precedence{
    public static void main(String[] args) {
        int i = 0;
        i=i++;
        i=i++;
        i=i++;
        i=i++;
        System.out.println("The value of i is " + i);
        int arr []= new int [5];
        int index= 0;
        arr [index]= index = 3;
        System.out.println("The value of first element is " + arr[0]);
        System.out.println("The value of fourth element is " + arr[3]);
    }
}
```
- l. 

```
if(-0.0==0.0){
    System.out.println("-0.0==0.0");
} else {
    System.out.println("-0.0!=0.0");
}
```

## Assignment 9 –

- o WAP to print all Odd Number between 1 to 100 using single line of Java code
- o 1
- o 22
- o 333



Eg cat

Combination of any character of cat like act,tac etc,