

IF Statement

- Syntax:-

if <expression>

{.....

.....

}

else

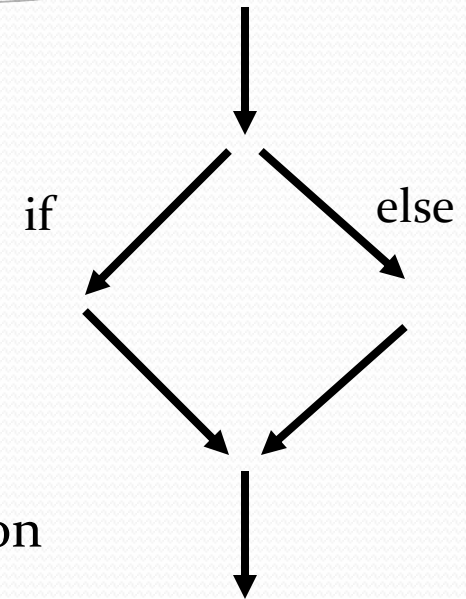
{.....

.....

}

Execute when the expression
is nonzero. (T)

Execute when the expression
is zero. (F)



Examples

- Write a program to input avg and print whether “Pass” or “Fail”.
- Write a program to input a number and print whether it is “Odd” or “Even”.
- Write a program to input an year and print whether it is a “Leap year” or “Not Leap year”.

```
Import java.util.Scanner;  
public class findGrade  
{
```

```
    public static void main(String arg[])  
    {
```

```
        Scanner in = new Scanner (System.in);  
        float avg;  
        System.out.print( "Enter Avg mark : " );  
        avg = in.nextFloat();
```

```
        if (avg >= 50)  
            System.out.print( " Pass");  
        else  
            System.out.print( " Fail");
```

```
    }
```

```
}
```

...

```
int no, remainder;
```

```
System.out.print( "Enter Number: " );
```

```
no = in.nextInt();
```

```
remainder = no % 2;
```

```
if (remainder == 1 )
```

```
    System.out.print( " Odd");
```

```
else
```

```
    System.out.print( " Even");
```

...

...

```
int year, reminder;
```

```
System.out.print( "Enter year : " );
```

```
year = in.nextInt();
```

```
reminder = year % 4;
```

```
if (reminder == 0 )
```

```
    System.out.print( " Leap year");
```

```
else
```

```
    System.out.print( "Not Leap year");
```

...

Examples

- Write a program to read two numbers and print max.
- Write a program to read two numbers and print max and min.
- Write a program to read three numbers and print max.

...

```
int no1, no2, max;  
System.out.print( " Enter two numbers : ");  
no1 = in.nextInt();  
no2 = in.nextInt();  
  
if (no1 > no2 )  
    max = no1 ;  
else  
    max = no2;  
  
System.out.print( " Max is : " + max );
```

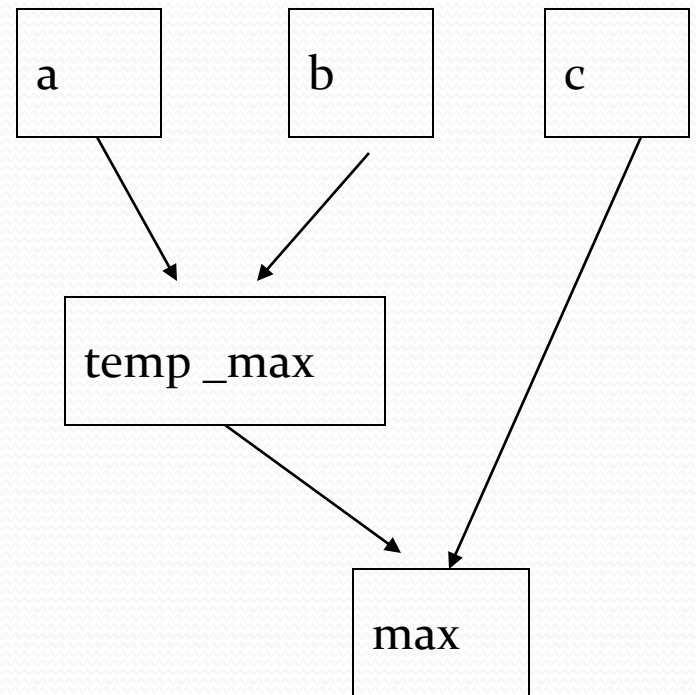
...

```
... int a, b, max, min;  
System.out.print( " Enter two numbers :");  
a = in.nextInt();  
b = in.nextInt();  
  
if ( a > b )  
{  
    max = a ;  
    min = b;  
}  
else  
{  
    max = b;  
    min = a;  
}  
System.out.print( " Max is : " + max );  
System.out.print( " Min is : " + min );
```


...

```
int a, b, c, temp_max, max;  
System.out.print( " Enter three numbers : ");  
a = in.nextInt();  
b = in.nextInt();  
c = in.nextInt();
```

```
if ( a > b )  
    temp_max = a;  
else  
    temp_max = b;  
  
if ( c > temp_max )  
    max = c;  
else  
    max = temp_max;
```



```
System.out.print( " Max is : " + max );
```

...