Ladder if statement

If a if statement is used within an else statement then such a control structure is called as ladder if statement.

```
if(condition)
        Statements..
else
        if(condition)
                statements..
        else
                if(condition)
                        statements..
                else
                        ....
```

A ladder if is used to check a condition if some other condition is false

```java
import java.util.Scanner;
class demo
{
public static void main(String args[])
    {
    Scanner stdin=new Scanner(System.in);
    System.out.print("Enter a Number:");
    int a=stdin.nextInt();
    if(a>0)
            System.out.println("Number is Positive..");
    else
            if(a<0)
                    System.out.println("Number is Negative..");
            else
                    System.out.println("Number is Zero..");
    }
}
```

- WAP to read a number and check if it is a **positive** no. or **negative** no or **zero.**

Java

```java
import java.util.Scanner;
class demo
{
public static void main(String args[])
        {
        Scanner stdin=new Scanner(System.in);
        System.out.println("Enter 3 different Numbers:");
        int a=stdin.nextInt();
        int b=stdin.nextInt();
        int c=stdin.nextInt();
        if(a>b && a>c)
                System.out.println(a+" is Greatest");
        else
                if(b>c)
                        System.out.println(b+" is Greatest");
                else
                        System.out.println(c+" is Greatest");
        }
}
```

WAP to read 3 different nos. **a , b and c.** and find greatest of them.

```java
import java.util.Scanner;
class demo
{
public static void main(String args[])
        {
        Scanner stdin=new Scanner(System.in);
        System.out.print("Enter Color Code:");
        String str=stdin.next();
        char ch=str.charAt(0);
        //charAt method is used to get char from pos
        if(ch=='r' || ch=='R')
                System.out.println("Red");
        else
                if(ch=='g' || ch=='G')
                        System.out.println("Green");
                else
                        if(ch=='b' || ch=='B')
                                System.out.println("Blue");
                        else
                                System.out.println("White");
        }
}
```

WAP to read color code i.e. a char value and print appropriate color according to code

R - red

G - green

B - blue

any other char-white].

Java

```java
import java.util.Scanner;
class demo
{
public static void main(String args[])
        {
        Scanner stdin=new Scanner(System.in);
        System.out.print("Enter Gender Code:");
        String str=stdin.next();
        char ch=str.charAt(0);
        if(ch=='m' || ch=='M')
                System.out.println("Male");
        else

                if(ch=='f' || ch=='F')
                        System.out.println("Female");
                else

                        System.out.println("Invalid Input");

        }
}
```

WAP to read gender code i.e. a char value and print appropriate gender

m – male

f - female

any other char – invalid input