

Today's Topic

- Do-while loop

Do-While Loop

- This Loop is used to repeatedly execute statements.
- Speciality of this loop is that in this loop statements are executed first and then condition is checked
- Due to this Statements within this loop are executed at least once regard less of condition whether it is true or false.

```
do
{
    Statements.....
    .....
}
while(condition);
next statements..
```

Execution of do-while loop

1. First statement within do-while loop are executed and then condition is checked.
2. The above process is repeated while the condition is true.
3. Program control is transferred to next statements only when condition becomes false.

```
do    {  
      statements  
      -----  
      -----  
      }  
while(condition);  
next statements
```

```
import java.util.Scanner;
class demo
{
    public static void main(String args[])
    {
        Scanner stdin=new Scanner(System.in);
        System.out.println("Enter nos :");
        int s=0, a;
        do
        {
            a=stdin.nextInt( );
            s = s + a ;
        }
        while( a!=0 );
        System.out.println("Sum is "+s);
    }
}
```

WAP to read numbers while the number entered is not equals to zero and find sum of all numbers entered.

Output :
Enter nos:
5 12 8 10 5 0
Sum is 40

```
import java.util.Scanner;
class demo
{
    public static void main(String args[])
    {
        Scanner stdin=new Scanner(System.in);
        System.out.println("Enter nos :");
        int s=0, a;
        do
        {
            a=stdin.nextInt( );
            if( a%2==0 )
                s = s + a ;
        }
        while( a!=0 );
        System.out.println("Sum of even nos is "+s);
    }
}
```

WAP to read numbers while the number entered is not equals to zero and find sum of all even numbers entered.

Output :
Enter nos:
5 12 8 10 5 0
Sum is 30

```
import java.util.Scanner;
class demo
{
    public static void main(String args[])
    {
        Scanner stdin=new Scanner(System.in);
        System.out.println("Enter nos :");
        int s=0, a;
        do
        {
            a=stdin.nextInt( );
            if( a%2!=0 )
                s = s + a ;
        }
        while( a!=0 );
        System.out.println("Sum of odd nos is "+s);
    }
}
```

WAP to read numbers while the number entered is not equals to zero and find sum of all odd numbers entered.

Output :

Enter nos:

5 12 8 10 5 0

Sum of odd nos is 10

```
import java.util.Scanner;
class demo
{
    public static void main(String args[])
    {
        Scanner stdin=new Scanner(System.in);
        System.out.println("Enter nos :");
        int c=0, a;
        do
        {
            a=stdin.nextInt( );
            if( a > 0 )
                c = c + 1 ;
        }
        while( a!=0 );
        System.out.println("Total positive nos is "+c);
    }
}
```

WAP to read numbers while the number entered is not equals to zero and count all positive numbers entered.

Output :

Enter nos:

7 -12 8 -10 5 4 1 0

Total positive nos 5

```
import java.util.Scanner;
class demo
{
    public static void main(String args[])
    {
        Scanner stdin=new Scanner(System.in);
        System.out.println("Enter nos :");
        int c=0, a;
        do
        {
            a=stdin.nextInt( );
            if( a < 0 )
                c = c + 1 ;
        }
        while( a!=0 );
        System.out.println("Total negative nos is "+c);
    }
}
```

WAP to read numbers while the number entered is not equals to zero and count all negative numbers entered.

Output :

Enter nos:

7 -12 8 -10 5 4 1 0

Total negative nos 2


```
import java.util.Scanner;
class demo
{ public static void main(String args[])
    { Scanner stdin=new Scanner(System.in);
      System.out.println("Enter nos :");
      int c1=0, c2=0, a;
      do
          {
              a=stdin.nextInt( );
              if( a > 0 )
                  c1 = c1 + 1 ;
              if( a < 0 )
                  c2 = c2 + 1 ;
          }
      while( a!=0 );
      System.out.println("Total positive nos are "+c1);
      System.out.println("Total negative nos are "+c2);
    }
}
```

WAP to read numbers while the number entered is not equals to zero and count all positive as well as negative numbers entered.

Output :

Enter nos:

7 -12 8 -10 5 4 1 0

Total positive nos are 5

Total negative nos are 2

Today's Topic End