

# LAB PROGRAM – 7

## INPUT :

```
C:\Users\91944\OneDrive\Desktop\OOLAB\Week_10\generics.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

generics.java x exception.java x Threads.java x

1  import java.util.Scanner;
2
3  class ThreeGen<T, V, S>
4  {
5      T ob1;
6      V ob2;
7      S ob3;
8
9      ThreeGen(T o1, V o2, S o3)
10     {
11         ob1 = o1;
12         ob2 = o2;
13         ob3 = o3;
14     }
15
16     void showTypes()
17     {
18         System.out.println("\nType of T is " +
19             ob1.getClass().getName());
20         System.out.println("Type of V is " +
21             ob2.getClass().getName());
22         System.out.println("Type of S is " +
23             ob3.getClass().getName());
24     }
25     T getob1()
26     {
27         return ob1;
28     }
29     V getob2()
30     {
31         return ob2;
32     }
33     S getob3()
34     {
35         return ob3;
36     }
37 }
38
39 class Generics
40 {
41     public static void main(String args[])
42     {
43         int a;
44         String b;
45         double c;
46         Scanner ss = new Scanner(System.in);
47         System.out.println("\nEnter the INTEGER value : ");
48         a = ss.nextInt();
49         System.out.println("Enter the STRING value : ");
50         b = ss.next();
51         System.out.println("Enter the DOUBLE value : ");
52         c = ss.nextDouble();
53         ThreeGen<Integer, String, Double> tgObj =
54             new ThreeGen<Integer, String, Double>(a, b, c);
55         tgObj.showTypes();
56         int v = tgObj.getob1();
57         System.out.println("\nINTEGER VALUE : " + v);
58         String str = tgObj.getob2();
59         System.out.println("STRING VALUE : " + str);
60         double d = tgObj.getob3();
61         System.out.println("DOUBLE VALUE : " + d);
62     }
63 }
```

# OUTPUT :

```
Command Prompt
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_10>javac generics.java
C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_10>java Generics

Enter the INTEGER value :
23
Enter the STRING value :
Adarsh
Enter the DOUBLE value :
96.33

Type of T is java.lang.Integer
Type of V is java.lang.String
Type of S is java.lang.Double

INTEGER VALUE : 23
STRING VALUE : Adarsh
DOUBLE VALUE : 96.33

C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_10>
```