Lab-7 Generics

```
import java.io.*;
import java.lang.*;
import java.util.*;
class gen <T> {
T ob;
gen(T o){
ob =o; }
T get_ob(){
return ob;
}void showtype(){
System.out.println("Type of T is " + ob.getclass().getName());
}}
class Series{
public static void main(String[] args){
String n;
Scanner s= new Scanner(System.in);
System.out.println("Enter the Integer Number to be displayed using the generic style");
n=s1.next();
gen<Integer> ob1 = new gen<Integer>(Integer.parseInt(n));
ob1.showtype();
int val = ob1.getof();
System.out.println("value is: "+val);
System.out.println();
System.out.println("Enter the String to be Displayed using the generic style");
```

```
n = sc.next();
gen<String> ob2 = new gen<String>(n);
ob2.showtype();
String x = ob2.getob();
System.out.println("value : "+x);
System.out.println();
System.out.println("Enter the Double Number to Be
Displayed using the generic style");
n = sc.next();
gen<Double> ob3 = new gen<Double>(Double.parseDouble(n));
ob3.showtype();
double ans = ob3.getob();
System.out.println("value : "+ans);}}
```

Expected output :-

Enter the Integer Number to be Displayed using the generic style !

12

Type of T is java.lang.Integer

value is : 12

Enter the string to Be Displayed using the genric style

hi

Type of T is java.lang.String

value : hi

Enter the Double Number to be Displayed using the generic style

12.90

Type of T is java.lang.Double

value : 12.9