Lab 7

```
import java.util.Scanner;

class gene <T,U,V> {

T obj1;
U obj2;
V obj3;

    gene (T obj1, U obj2, V obj3)
    {
     System.out.println("\n Inside the generic ");
     this.obj1 = obj1;
     this.obj2 = obj2;
     this.obj3 = obj3;
    }

 void display()
 {
  System.out.println("\n Value of obj1 :-" + obj1);
  System.out.println("\n Type of" + obj1 + "is" +
  obj1.getClass.getName());
 System.out.println("\n Value of obj2 :-" + obj2);
 System.out.println("\n Type of" + obj2 + "is" +
   obj2.getclass.getName());
 System.out.println("\n Value of obj3 :-" + obj3);
 System.out.println("\n Type of" + obj3 + "is" +
   obj3.getClass.getName());
  }
}
```

```
class generics
{
  public static void main(String args[])
  {
      Scanner sc= new Scanner(System.in);

System.out.println("enter the Integer value:");
   int val1 = sc.nextInt();
System.out.println("enter the string value:");
   int val2 = sc.nextInt();
System.out.println("\n enter the double value:");
   int val3 = sc.nextInt();
System.out.println("\n enter the Boolean value:");
   int val4 = sc.next();

 gene<Integer, String, Double> g1 = new gene<Integer,
        String, Double>(val1, val2, val3);
   g1.display();
  }
}
```

```
import java.util.Scanner;

class gene<T,U,V>{

T obj1;// an object of type T
U obj2;// an object of type U
V obj3;// an object of type V

        gene (T obj1,U obj2, V obj3 )
        {System.out.println("\n Inside the generic class:>");
        this.obj1=obj1;
        this.obj2=obj2;
        this.obj3=obj3;
        }

        void display(){
        System.out.println("\n Value of obj1  :>"+obj1);
        System.out.println("\t Type  of "+ obj1+ " is " + obj1.getClass().getName
());
        System.out.println("\n Value of obj2  :>"+obj2);
        System.out.println("\t Type  of "+ obj2+ " is " + obj2.getClass().getName
());
        System.out.println("\n Value of obj3  :>"+obj3);
        System.out.println("\t Type  of "+ obj3+ " is " + obj3.getClass().getName
());
        }
}
```

```
            System.out.println("\n Value of obj3  :>"+obj3);
            System.out.println("\t Type  of "+ obj3+ " is " + obj3.getClass().getName
());
            }
}

class generics{
public static void main(String args[]){

Scanner sc=new Scanner(System.in);

            System.out.println("enter the Integr value -->");
            int val1=sc.nextInt();
            System.out.println("\n enter the String value -->");
            String val2=sc.next();
            System.out.println("\n enter the double value -->");
            Double val3=sc.nextDouble();

            gene <Integer,String,Double> g1 =new gene <Integer,String,Double>
(val1,val2,val3);// calling parameterised const

            g1.display();


 }
}
```

```
C:\Users\cw\Desktop\OOJLAB\Lab7(week10)>java generics
enter the Integr value -->
3

 enter the String value -->
amit

 enter the double value -->
34.9

 Inside the generic class:>

 Value of obj1  :>3
          Type  of 3 is java.lang.Integer

 Value of obj2  :>amit
          Type  of amit is java.lang.String

 Value of obj3  :>34.9
          Type  of 34.9 is java.lang.Double

C:\Users\cw\Desktop\OOJLAB\Lab7(week10)>
```