

LAB PROGRAM: 7

Write a program to demonstrate generics with multiple object parameters.

```
→ class Gen <T, S> {  
    private T obj;  
    private S obj1;  
    Gen (T value, S value2) {  
        obj = value;  
        obj1 = value2;  
    }  
    T get Obj () {  
        return obj;  
    }  
    S get Obj1 () {  
        return obj1;  
    }  
    void objType () {  
        System.out.println ("The type of object" + obj.getClass().getName());  
    }  
    void objType1 () {  
        System.out.println ("The type of object" + obj1.getClass().getName());  
    }  
}  
  
public class lab7 {  
    public static void main (String [] args) {  
        Gen <Integer, Double> ob = new Gen <Integer, Double> (133, 133.134);  
        ob.objType ();  
        System.out.println ("Object value" + ob.getObj ());  
        ob.objType1 ();  
        System.out.println ("Object value" + ob.getObj1 ());  
    }  
}
```

```
Gen < String, Integer > ob2 = new Gen < String, Integer > ("Rohini Dash", 133);  
ob2.objType();  
System.out.println("Object Value" + ob2.getObj());  
ob2.objType1();  
System.out.println("Object Value" + ob2.getObj());  
}  
}
```



```

class Gen<T,S>{
    private T obj;
    private S obj1;
    Gen(T value,S value2){
        obj = value;
        obj1 = value2;
    }
    T getObj(){
        return obj;
    }
    S getObj1(){
        return obj1;
    }
    void objType(){
        System.out.println("The type of object "+obj.getClass().getName());
    }
    void objType1(){
        System.out.println("The type of object "+obj1.getClass().getName());
    }
}

public class lab7{
    public static void main(String[] args){
        Gen<Integer,Double> ob = new Gen<Integer,Double>(133,133.134);
        ob.objType();
        System.out.println("Object Value "+ob.getObj());
        ob.objType1();
        System.out.println("Object Value "+ob.getObj1());
        Gen<String,Integer> ob2 = new Gen<String,Integer>("Roshni Dash",133);
        ob2.objType();
        System.out.println("Object Value "+ob2.getObj());
        ob2.objType1();
        System.out.println("Object Value "+ob2.getObj1());
    }
}

```



```
PS C:\Users\dashr\OneDrive\Desktop\Roshni 00J Lab> javac Lab7.java
PS C:\Users\dashr\OneDrive\Desktop\Roshni 00J Lab> java Lab7
The type of object java.lang.Integer
Object Value 133
The type of object java.lang.Double
Object Value 133.134
The type of object java.lang.String
Object Value Roshni Dash
The type of object java.lang.Integer
Object Value 133
PS C:\Users\dashr\OneDrive\Desktop\Roshni 00J Lab> █
```