

LAB 7

Q. Write a program to demonstrate generics with multiple object parameters.

PROGRAM:

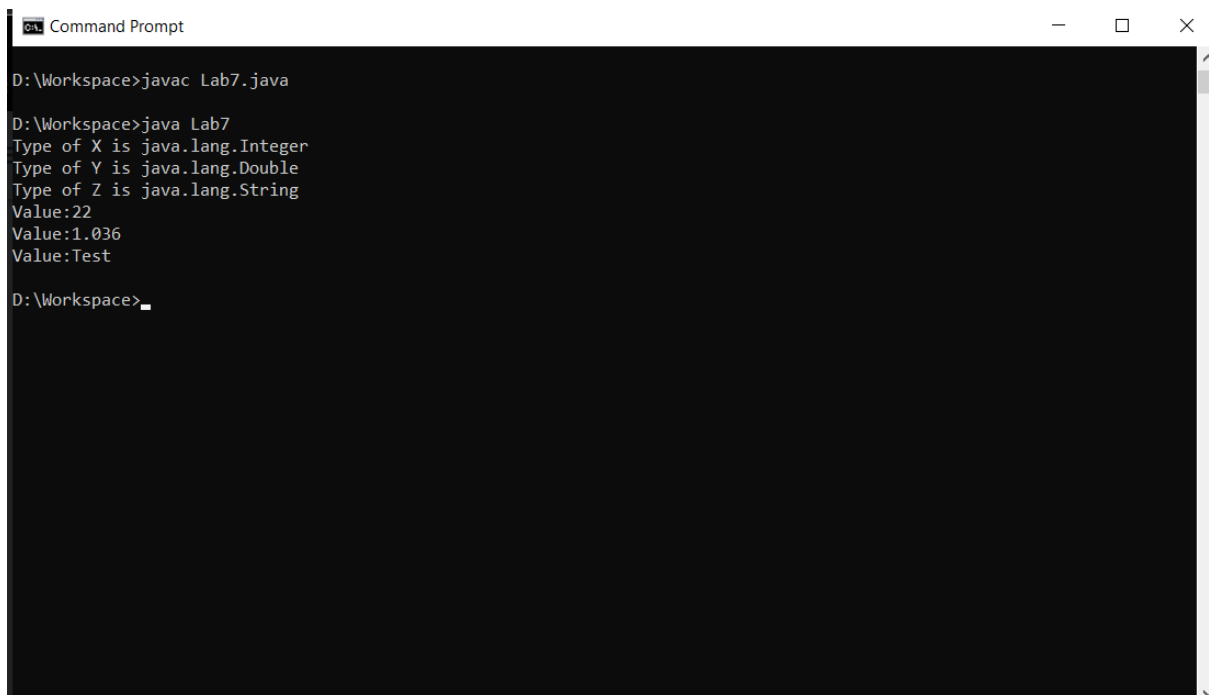
```
import java.util.*;
import java.lang.*;
class Generics<X,Y,Z>{
    X ob1;
    Y ob2;
    Z ob3;
    Generics(X x,Y y,Z z){
        ob1 = x;
        ob2 = y;
        ob3 = z;
    }
    void showTypes(){
        System.out.println("Type of X is "+ob1.getClass().getName());
        System.out.println("Type of Y is "+ob2.getClass().getName());
        System.out.println("Type of Z is "+ob3.getClass().getName());
    }

    X getob1(){
        return ob1;
    }
    Y getob2(){
        return ob2;
    }
    Z getob3(){
        return ob3;
    }
}
```

```
}
```

```
class Lab7{  
    public static void main(String args[]){  
        Generics<Integer,Double,String> A = new  
Generics<Integer,Double,String>(22,1.036,"Test");  
  
        A.showTypes();  
        int i = A.getob1();  
        System.out.println("Value:"+i);  
        double d = A.getob2();  
        System.out.println("Value:"+d);  
        String str = A.getob3();  
        System.out.println("Value:"+str);  
    }  
}
```

OUTPUT:



```
Command Prompt  
D:\Workspace>javac Lab7.java  
  
D:\Workspace>java Lab7  
Type of X is java.lang.Integer  
Type of Y is java.lang.Double  
Type of Z is java.lang.String  
Value:22  
Value:1.036  
Value:Test  
  
D:\Workspace>
```