

```

1  class MultipleGen<T, V, J>{
2      T ob1;
3      V ob2;
4      J ob3;
5
6      MultipleGen(T o1, V o2, J o3){
7          ob1 = o1;
8          ob2 = o2;
9          ob3 = o3;
10     }
11
12     void typeDisplay(){
13         System.out.println("Type of T is " + ob1.getClass().getName());
14         System.out.println("Type of V is " + ob2.getClass().getName());
15         System.out.println("Type of J is " + ob3.getClass().getName());
16     }
17
18     T getob1(){
19         return ob1;
20     }
21
22     V getob2(){
23         return ob2;
24     }
25
26     J getob3(){
27         return ob3;
28     }
29 }
30
31 class GenMain{
32     public static void main(String args[]){
33         MultipleGen<Integer, String, Double> mgobj = new MultipleGen<Integer, String, Double>(100, "jathin", 99.99);
34         mgobj.typeDisplay();
35         int a = mgobj.getob1();
36         System.out.println("Value: " + a);
37         String b = mgobj.getob2();
38         System.out.println("Value: " + b);
39         double c = mgobj.getob3();
40         System.out.println("Value: " + c);
41     }
}

```

```

3      V ob2;
4      J ob3;
5
6      MultipleGen(T o1, V o2, J o3){
7          ob1 = o1;
8          ob2 = o2;
9          ob3 = o3;
10     }
11
12     void typeDisplay(){
13         System.out.println("Type of T is " + ob1.getClass().getName());
14         System.out.println("Type of V is " + ob2.getClass().getName());
15         System.out.println("Type of J is " + ob3.getClass().getName());
16     }
17
18     T getob1(){
19         return ob1;
20     }
21
22     V getob2(){
23         return ob2;
24     }
25
26     J getob3(){
27         return ob3;
28     }
29 }
30
31 class GenMain{
32     public static void main(String args[]){
33         MultipleGen<Integer, String, Double> mgobj = new MultipleGen<Integer, String, Double>();
34         mgobj.typeDisplay();
35         int a = mgobj.getob1();
36         System.out.println("Value: " + a);
37         String b = mgobj.getob2();
38         System.out.println("Value: " + b);
39         double c = mgobj.getob3();
40         System.out.println("Value: " + c);
41     }
42 }
43

```

```
Last login: Mon Dec 7 21:42:36 on console
(base) jathinsmacbookpro@Jathins-MacBook-Pro ~ % cd Desktop
(base) jathinsmacbookpro@Jathins-MacBook-Pro Desktop % cd java
(base) jathinsmacbookpro@Jathins-MacBook-Pro java % javac lab7.java
(base) jathinsmacbookpro@Jathins-MacBook-Pro java % java GenMain
Type of T is java.lang.Integer
Type of V is java.lang.String
Type of J is java.lang.Double
Value: 100
Value: jathin
Value: 99.99
(base) jathinsmacbookpro@Jathins-MacBook-Pro java %
```