

```

1 class Demo<T, V>
2 {
3     T obj1;
4     V obj2;
5
6     public Demo(T obj1, V obj2) {
7         this.obj1 = obj1;
8         this.obj2 = obj2;
9     }
10
11     void show_types()
12     {
13         System.out.println("Type of T:" + obj1.getClass().getName());
14         System.out.println("Type of V:" + obj2.getClass().getName());
15     }
16 }
17
18 class Player
19 {
20     String name;
21
22     public Player(String name) {
23         this.name = name;
24     }
25 }
26
27 public class Gene_demo {
28
29     public static void main(String[] args) {
30         Demo<Integer, String> d1 = new Demo<Integer, String>(21, "Faster");
31         d1.show_types();
32         System.out.println();
33
34         Demo<Double, Boolean> d2 = new Demo<Double, Boolean>(23.45, true);
35         d2.show_types();
36         System.out.println();
37     }
38 }

```

source file

```

8      this.obj2 = obj2;
9  }
10
11  void show_types()
12  {
13      System.out.println("Type of T:"+obj1.getClass().getName());
14      System.out.println("Type of V:"+obj2.getClass().getName());
15  }
16 }
17
18 class Player
19 {
20     String name;
21
22     public Player(String name) {
23         this.name = name;
24     }
25 }
26 public class Gene_demo {
27
28     public static void main(String[] args) {
29         Demo<Integer, String> d1 = new Demo<Integer, String>(21, "Faster");
30         d1.show_types();
31         System.out.println();
32
33         Demo<Double, Boolean> d2 = new Demo<Double, Boolean>(23.45, true);
34         d2.show_types();
35         System.out.println();
36
37         Player p = new Player("John");
38
39         Demo<Player, Integer> d3 = new Demo<Player, Integer>(p, 45);
40         d3.show_types();
41     }
42 }

```

java source file

```
C:\Users\Deepu K\java>javac Gene_demo.java
```

```
C:\Users\Deepu K\java>java Gene_demo
```

```
Type of T:java.lang.Integer
```

```
Type of V:java.lang.String
```

```
Type of T:java.lang.Double
```

```
Type of V:java.lang.Boolean
```

```
Type of T:Player
```

```
Type of V:java.lang.Integer
```

```
C:\Users\Deepu K\java>javac Excep.java
```