

C:\Program Files\Java\jdk1.8.0_261\bin\OOJPROGRAMS\generics.java - Notepad++

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book.java master.java mastenew.java internal.java external.java Student.java Totalmarks.java father.java generics.java program_5th.java Button.java DivideAWT.java quadratic.java

```
1 class Gen<T>
2 { T ob;
3   Gen(T o)
4   { ob = o; }
5
6   T getob()
7   { return ob; }
8
9   void showType()
10  { System.out.println("Type of T is " + ob.getClass().getName()); }
11
12 }
13
14 class GenDemo
15 { public static void main(String args[])
16   { Gen<Integer> iGOb = new Gen<Integer>(100);
17     iGOb.showType();
18     int i = iGOb.getob();
19     System.out.println("Integer: ");
20     System.out.println("value: " + i);
21
22     System.out.println();
23
24     Gen<String> strGOb = new Gen<String> ("Successful Testing");
25     strGOb.showType();
26     String str = strGOb.getob();
27     System.out.println("String: ");
28     System.out.println("value: " + str);
29
30     System.out.println();
31
32     Gen<Double> dGOb = new Gen<Double> (3.14159);
```

Java source file length: 874 lines: 40 Ln: 23 Col: 2 Sel: 0|0 Windows (CR LF) UTF-8 INS 23:02 28-12-2020

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10 { System.out.println("Type of T is " + ob.getClass().getName()); }
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14 class GenDemo
15 { public static void main(String args[])
16 { Gen<Integer> iGob = new Gen<Integer>(100);
17 iGob.showType();
18 int i = iGob.getob();
19 System.out.println("Integer: ");
20 System.out.println("value: " + i);
21
22 System.out.println();
23
24 Gen<String> strGob = new Gen<String> ("Successful Testing");
25 strGob.showType();
26 String str = strGob.getob();
27 System.out.println("String: ");
28 System.out.println("value: " + str);
29
30 System.out.println();
31
32 Gen<Double> dGob = new Gen<Double> (3.14159);
33 dGob.showType();
34 double d = dGob.getob();
35 System.out.println("Double: ");
36 System.out.println("value: " + d);
37
38
39 }
40 }
```

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```
Command Prompt
Microsoft Windows [Version 10.0.10586]
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C:\Users\AKSHAT SURANA>cd C:\Program Files\Java\jdk1.8.0_261\bin\OOJPROGRAMS
C:\Program Files\Java\jdk1.8.0_261\bin\OOJPROGRAMS>set path="C:\Program Files\Java\jdk1.8.0_261\bin"
C:\Program Files\Java\jdk1.8.0_261\bin\OOJPROGRAMS>javac generics.java
C:\Program Files\Java\jdk1.8.0_261\bin\OOJPROGRAMS>java GenDemo
Type of T is java.lang.Integer
Integer:
value: 100
Type of T is java.lang.String
String:
value: Successful Testing
Type of T is java.lang.Double
Double:
value: 3.14159
C:\Program Files\Java\jdk1.8.0_261\bin\OOJPROGRAMS>_
```