

Student.java Internals.java Externals.java finalmarks.java gen.java X exp.java

gen.java > genericmain > main(String[])

```
1 import java.util.Scanner;
2 class generic<DT1,DT2,DT3>
3 {
4     DT1 obj;
5     DT2 obj1;
6     DT3 obj2;
7     generic(DT1 a,DT2 b,DT3 c)
8     {
9         obj=a;
10        obj1=b;
11        obj2=c;
12    }
13    DT1 get1()
14    {
15        return obj;
16    }
17    DT2 get2()
18    {
19        return obj1;
20    }
21    DT3 get3()
22    {
23        return obj2;
24    }
25    void showdatatype()
26    {
27        System.out.println("THE TYPES OF DATATYPE USED IS="+obj.getClass().getName());
28        System.out.println("THE TYPES OF DATATYPE USED IS="+obj1.getClass().getName());
29        System.out.println("THE TYPES OF DATATYPE USED IS="+obj2.getClass().getName());
30    }
31 }
32 class genericmain
33 {
34     Run | Debug
35     public static void main(String args[])
36     {
```

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gen.java > genericmain > main(String[])

```
31 }
32 class genericmain
33 {
    Run | Debug
34 public static void main(String args[])
35 {
36     Scanner s=new Scanner(System.in);
37     System.out.println("ENTER THE VALUES");
38     int x=s.nextInt();
39     String str=s.next();
40     double xx=s.nextDouble();
41     generic<Integer,String,Double> a=new generic<Integer,String,Double>(x,str,xx);
42     a.showdatatype();
43     System.out.println("THE INTEGER ENTERED IS="+a.get1());
44     System.out.println("THE STRING ENTERED IS="+a.get2());
45     System.out.println("THE DOUBLE VALUE ENTERED IS="+a.get3());
46 }
47 }
48
```


THE AGES ARE ENTERED CORECTLY
FATHER'S AGE=56 SON'S AGE=34

c:\JAVA\bin>javac gen.java

c:\JAVA\bin>java genericmain
ENTER THE VALUES

23

nithin

56.244

THE TYPES OF DATATYPE USED IS=java.lang.Integer

THE TYPES OF DATATYPE USED IS=java.lang.String

THE TYPES OF DATATYPE USED IS=java.lang.Double

THE INTEGER ENTERED IS=23

THE STRING ENTERED IS=nithin

THE DOUBLE VALUE ENTERED IS=56.244

c:\JAVA\bin>_