

Q9] Default Values of Primitive Types

Declare variables of each primitive type as fields of a class and check their default values.



```
1 package assign2;
2
3 public class Test {
4     int intValue;
5     long longValue;
6     float floatValue;
7     double doubleValue;
8     char charValue;
9     boolean booleanValue;
10    static int staticIntValue;
11    static long staticLongValue;
12    static float staticFloatValue;
13    static double staticDoubleValue;
14    static char staticCharValue;
15    static boolean staticBooleanValue;
16
17    public static void main(String[] args) {
18        Test obj = new Test();
19        System.out.println("Instance variables:");
20        System.out.println("int: " + obj.intValue);
21        System.out.println("long: " + obj.longValue);
22        System.out.println("float: " + obj.floatValue);
23        System.out.println("double: " + obj.doubleValue);
24        System.out.println("char: " + obj.charValue);
25        System.out.println("boolean: " + obj.booleanValue);
26        System.out.println("\nStatic variables:");
27        System.out.println("int: " + staticIntValue);
28        System.out.println("long: " + staticLongValue);
29        System.out.println("float: " + staticFloatValue);
30        System.out.println("double: " + staticDoubleValue);
31        System.out.println("char: " + staticCharValue);
32        System.out.println("boolean: " + staticBooleanValue);
33
34    }
35
36 }
```

```
Problems Servers Terminal Data Source Explorer Console X Coverage
<terminated> Test [Java Application] D:\eclipse\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v2023102
Instance variables:
int: 0
long: 0
float: 0.0
double: 0.0
char: □
boolean: false

Static variables:
int: 0
long: 0
float: 0.0
double: 0.0
char: □
boolean: false
```