

## Default constructor in Java

Like C++, Java automatically creates default constructor if there is no default or parameterized constructor written by user, and (like C++) the default constructor automatically calls parent default constructor. But unlike C++, default constructor in Java initializes member data variable to default values (numeric values are initialized as 0, booleans are initialized as *false* and references are initialized as *null*).

For example, output of the below program is

0  
null  
false  
0  
0.0

```
// Main.java
class Test {
    int i;
    Test t;
    boolean b;
    byte bt;
    float ft;
}

public class Main {
    public static void main(String args[]) {
        Test t = new Test(); // default constructor is called.
        System.out.println(t.i);
        System.out.println(t.t);
        System.out.println(t.b);
        System.out.println(t.bt);
    }
}
```

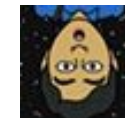
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```

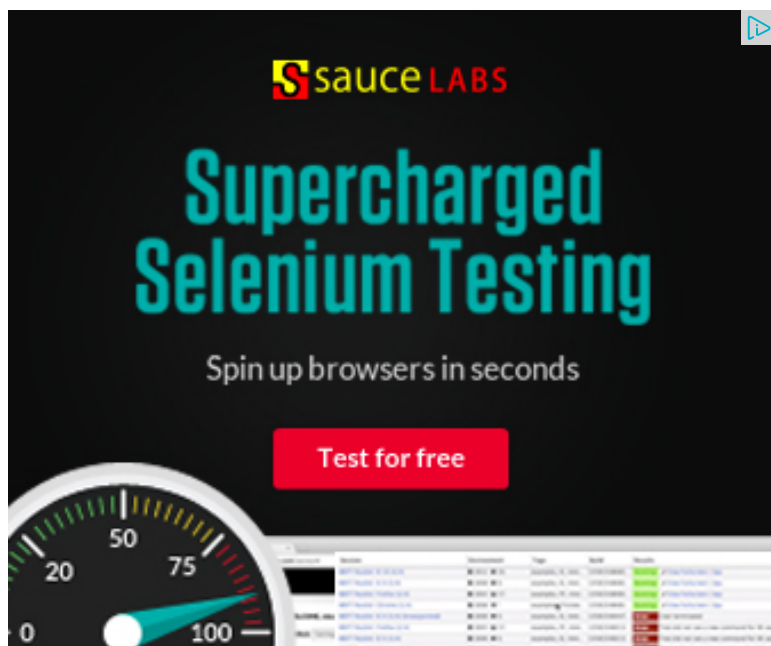
        System.out.println(t.ft);
    }
}

```

Please write comments if you find anything incorrect, or you want to share more information about the topic discussed above.

References:

<http://leepoint.net/notes-java/oop/constructors/constructor.html>



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i think, the constructor does not initialize the variables...

take a look at this program

```
class Test {
```

```
int i=10;
```

```
Test t;
```

```
boolean b;
```

```
byte bt;
```

```
static float ft;
```

```
Test(){
```

```
}
```

```
}
```

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