

JAVA.LANG.CLASS.GETDECLAREDFIELD METHOD

http://www.tutorialspoint.com/java/lang/class_getdeclaredfield.htm

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Description

The **java.lang.Class.getDeclaredField** method returns a Field object that reflects the specified declared field of the class or interface represented by this Class object. The **name** parameter is a String that specifies the simple name of the desired field.

Declaration

Following is the declaration for **java.lang.Class.getDeclaredField** method

```
public Field getDeclaredField(String name) throws NoSuchFieldException,
SecurityException
```

Parameters

- **name** -- This is the name of the field.

Return Value

This method returns the Field object for the specified field in this class.

Exception

- **NoSuchFieldException** -- If a field with the specified name is not found.
- **NullPointerException** -- If name is null.
- **SecurityException** -- If a security manager, s, is present.

Example

The following example shows the usage of java.lang.Class.getDeclaredField method.

```
package com.tutorialspoint;

import java.lang.reflect.*;

public class ClassDemo {

    public static void main(String[] args) {

        try {
            ClassDemo c = new ClassDemo();
            Class cls = c.getClass();

            // field long l
            Field lVal = cls.getDeclaredField("l");
            System.out.println("Field = " + lVal.toString());
        }
        catch(Exception e) {
            System.out.println(e.toString());
        }
    }

    public ClassDemo() {
        // no argument constructor
    }

    public ClassDemo(long l) {
        this.l = l;
    }
}
```

```
long l = 77688;  
}
```

Let us compile and run the above program, this will produce the following result:

```
Field = long ClassDemo.l
```

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