

JAVA.LANG.CLASS.GETDECLAREDCONSTRUCTORS METHOD

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

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Description

The **java.lang.Class.getDeclaredConstructors** method returns an array of Constructor objects reflecting all the constructors declared by the class represented by this Class object. These are public, protected, default *package* access, and private constructors.

This method returns an array of length 0 if this Class object represents an interface, a primitive type, an array class, or void.

Declaration

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

```
public Constructor<?>[] getDeclaredConstructors() throws SecurityException
```

Parameters

- NA

Return Value

This method returns the array of Constructor objects representing all the declared constructors of this class.

Exception

- **SecurityException** -- If a security manager, s, is present.

Example

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

```
package com.tutorialspoint;

import java.lang.reflect.*;

public class ClassDemo {

    public static void main(String[] args) {

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

        // constructors
        Constructor[] ct = c.getDeclaredConstructors();
        for(int i = 0; i < ct.length; i++) {
            System.out.println("Constructor found: " + ct[i].toString());
        }

        private ClassDemo() {
            System.out.println("no argument constructor");
        }

        public ClassDemo(Double d, Long l) {
            this.d = d;
            this.l = l;
        }

        Double d = new Double(3.9d);
        Long l = new Long(7687);
    }
}
```

```
}
```

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

```
no argument constructor  
Constructor found: private ClassDemo()  
Constructor found: public ClassDemo(java.lang.Double, java.lang.Long)  
Loading [Mathjax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```