

JAVA.LANG.CLASS.GETCONSTRUCTORS METHOD

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

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Description

The **java.lang.Class.getConstructors** method returns an array containing Constructor objects reflecting all the public constructors of the class represented by this Class object. An array of length 0 is returned if the class has no public constructors, or if the class is an array class, or if the class reflects a primitive type or void.

Declaration

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

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

Parameters

- NA

Return Value

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

Exception

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

Example

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

```
package com.tutorialspoint;

import java.lang.reflect.*;

public class ClassDemo {

    public static void main(String[] args) {

        try {
            Class cls = Class.forName("java.awt.Panel");
            System.out.println("Panel Constructors =");

            /* returns the array of Constructor objects representing the public
            constructors of this class */
            Constructor c[] = cls.getConstructors();
            for(int i = 0; i < c.length; i++) {
                System.out.println(c[i]);
            }
        } catch (Exception e) {
            System.out.println("Exception: " + e);
        }
    }
}
```

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

```
Panel Constructors =
public java.awt.Panel()
public java.awt.Panel(java.awt.LayoutManager)
```

