JAVA.LANG.CLASS.GETDECLAREDMETHOD METHOD

Description

The **java.lang.Class.getDeclaredMethod** method returns a Method object that reflects the specified declared method of the class or interface represented by this Class object. The **name** parameter is a String that specifies the simple name of the desired method, and the **parameterTypes** parameter is an array of Class objects that identify the method's formal parameter types, in declared order

Declaration

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

```
public Method getDeclaredMethod(String name, Class<?>... parameterTypes) throws
NoSuchMethodException, SecurityException
```

Parameters

- **name** -- This is the name of the method
- **parameterTypes** -- This is the parameter array.

Return Value

This method returns the Method object for the method of this class matching the specified name and parameters.

Exception

- **NoSuchMethodException** -- If a matching method 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.getDeclaredMethod 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();

      try {
         // parameter type is null
         Method m = c.getDeclaredMethod("show", null);
         System.out.println("method = " + m.toString());

         // method Integer
         Class[] cArg = new Class[1];
         cArg[0] = Integer.class;
         Method lMethod = c.getDeclaredMethod("showInteger", cArg);
         System.out.println("method = " + lMethod.toString());
      }
      catch(NoSuchMethodException e) {
```

```
         System.out.println(e.toString());
      }
   }

   private Integer show() {
      return 1;
   }

   public void showInteger(Integer i) {
      this.i = i;
   }
   public int i = 78655;
}
```

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

```
method = private java.lang.Integer ClassDemo.show()
method = public void ClassDemo.showInteger(java.lang.Integer
```