

# JAVA.LANG.CLASS.GETENCLOSINGCLASS METHOD

[http://www.tutorialspoint.com/java/lang/class\\_getenclosingclass.htm](http://www.tutorialspoint.com/java/lang/class_getenclosingclass.htm)

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## Description

The **java.lang.Class.getEnclosingClass** method returns the immediately enclosing class of the underlying class. If this class is a top level class this method returns null.

## Declaration

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

```
public Class<?> getEnclosingClass()
```

## Parameters

- NA

## Return Value

This method returns the immediately enclosing class of the underlying class.

## Exception

- NA

## Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ClassDemo {
    // constructor
    public ClassDemo() {

        // class Outer as inner class for class ClassDemo
        class Outer {

            public void show() {
                // inner class of Class Outer
                class Inner {

                    public void show() {
                        System.out.print(getClass().getName() + " inner in...");
                        System.out.println(getClass().getEnclosingClass());
                    }
                }
                System.out.print(getClass().getName() + " inner in...");
                System.out.println(getClass().getEnclosingClass());

                // inner class show() function
                Inner i = new Inner();
                i.show();
            }
        }

        // outer class show() function
        Outer o = new Outer();
        o.show();
    }
}
```

```
public static void main(String[] args) {  
    ClassDemo cls = new ClassDemo();  
}  
}
```

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

```
ClassDemo$1Outer inner in...class ClassDemo  
ClassDemo$1Outer$1Inner inner in...class ClassDemo$1Outer
```

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