

JAVA.LANG.CLASS.GETDECLARINGCLASS METHOD

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

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Description

The **java.lang.Class.getDeclaredClass** method returns the Class object representing the class in which it was declared, if the class or interface represented by this Class object is a member of another class.

This method returns null if this class or interface is not a member of any other class. If this Class object represents an array class, a primitive type, or void, then this method returns null.

Declaration

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

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

Parameters

- NA

Return Value

This method returns the declaring class for this class.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.reflect.*;

public class ClassDemo {

    public static void main(String[] args) {

        // class object associated with class Long
        Class cls = Long.class;

        Method[] m = cls.getMethods();
        for(int i = 0; i < m.length; i++) {
            // returns te declaring class
            Class dec = m[i].getDeclaringClass();
            // displays all methods
            System.out.println("Method = " + m[i].toString());
            System.out.println(" Declaring class: " + dec.toString());
        }
    }
}
```

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

```
Method = public static int java.lang.Long.numberOfLeadingZeros(long)
Declaring class: class java.lang.Long
Method = public static int java.lang.Long.numberOfTrailingZeros(long)
Declaring class: class java.lang.Long
Method = public static int java.lang.Long.bitCount(long)
```

```
Declaring class: class java.lang.Long
Method = public boolean java.lang.Long.equals(java.lang.Object)
Declaring class: class java.lang.Long
Method = public static java.lang.String java.lang.Long.toString(long, int)
Declaring class: class java.lang.Long
Method = public static java.lang.String java.lang.Long.toString(long)
Declaring class: class java.lang.Long
Method = public java.lang.String java.lang.Long.toString()
Declaring class: class java.lang.Long
Method = public int java.lang.Long.hashCode()
Declaring class: class java.lang.Long
Method = public static long java.lang.Long.reverseBytes(long)
Declaring class: class java.lang.Long
Method = public int java.lang.Long.compareTo(java.lang.Long)
Declaring class: class java.lang.Long
Method = public int java.lang.Long.compareTo(java.lang.Object)
Declaring class: class java.lang.Long
Method = public static java.lang.Long java.lang.Long.getLong(java.lang.String)
Declaring class: class java.lang.Long
Method = public static java.lang.Long java.lang.Long.getLong(java.lang.String, long)
Declaring class: class java.lang.Long
Method = public static java.lang.Long
java.lang.Long.getLong(java.lang.String, java.lang.Long)
Declaring class: class java.lang.Long
Method = public byte java.lang.Long.byteValue()
Declaring class: class java.lang.Long
Method = public short java.lang.Long.shortValue()
Declaring class: class java.lang.Long
Method = public int java.lang.Long.intValue()
Declaring class: class java.lang.Long
Method = public long java.lang.Long.longValue()
Declaring class: class java.lang.Long
Method = public float java.lang.Long.floatValue()
Declaring class: class java.lang.Long
Method = public double java.lang.Long.doubleValue()
Declaring class: class java.lang.Long
Method = public static java.lang.Long java.lang.Long.valueOf(java.lang.String, int) throws
java.lang.NumberFormatException
Declaring class: class java.lang.Long
Method = public static java.lang.Long java.lang.Long.valueOf(java.lang.String) throws
java.lang.NumberFormatException
Declaring class: class java.lang.Long
Method = public static java.lang.Long java.lang.Long.valueOf(long)
Declaring class: class java.lang.Long
Method = public static java.lang.String java.lang.Long.toHexString(long)
Declaring class: class java.lang.Long
Method = public static java.lang.Long java.lang.Long.decode(java.lang.String) throws
java.lang.NumberFormatException
Declaring class: class java.lang.Long
Method = public static long java.lang.Long.reverse(long)
Declaring class: class java.lang.Long
Method = public static java.lang.String java.lang.Long.toOctalString(long)
Declaring class: class java.lang.Long
Method = public static java.lang.String java.lang.Long.toBinaryString(long)
Declaring class: class java.lang.Long
Method = public static long java.lang.Long.highestOneBit(long)
Declaring class: class java.lang.Long
Method = public static long java.lang.Long.lowestOneBit(long)
Declaring class: class java.lang.Long
Method = public static long java.lang.Long.rotateLeft(long, int)
Declaring class: class java.lang.Long
Method = public static long java.lang.Long.rotateRight(long, int)
Declaring class: class java.lang.Long
Method = public static int java.lang.Long.signum(long)
Declaring class: class java.lang.Long
Method = public static long java.lang.Long.parseLong(java.lang.String, int) throws
java.lang.NumberFormatException
Declaring class: class java.lang.Long
Method = public static long java.lang.Long.parseLong(java.lang.String) throws
```

```
java.lang.NumberFormatException
Declaring class: class java.lang.Long
Method = public final native void java.lang.Object.wait(long) throws
java.lang.InterruptedException
Declaring class: class java.lang.Object
Method = public final void java.lang.Object.wait(long,int) throws
java.lang.InterruptedException
Declaring class: class java.lang.Object
Method = public final void java.lang.Object.wait() throws java.lang.InterruptedException
Declaring class: class java.lang.Object
Method = public final native java.lang.Class java.lang.Object.getClass()
Declaring class: class java.lang.Object
Method = public final native void java.lang.Object.notify()
Declaring class: class java.lang.Object
Method = public final native void java.lang.Object.notifyAll()
Declaring class: class java.lang.Object
```

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