

JAVA.LANG.CLASS.GETSUPERCLASS METHOD

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

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Description

The **java.lang.Class.getSuperclass** returns the Class representing the superclass of the entity *class, interface, primitivetypeorvoid* represented by this Class.

Declaration

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

```
public Class<? super T> getSuperclass()
```

Parameters

- NA

Return Value

This method returns the superclass of the class represented by this object.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.*;

class superClass {
    // super class
}

class subClass extends superClass {
    // sub class
}

public class ClassDemo {

    public static void main(String args[]) {

        superClass val1 = new superClass();
        subClass val2 = new subClass();
        Class cls;

        cls = val1.getClass();
        System.out.println("val1 is object of type = " + cls.getName());

        /* returns the superclass of the class(superClass) represented
        by this object */
        cls = cls.getSuperclass();
        System.out.println("super class of val1 = " + cls.getName());

        cls = val2.getClass();
        System.out.println("val2 is object of type = " + cls.getName());

        /* returns the superclass of the class(subClass) represented
        by this object */
        cls = cls.getSuperclass();
```

```
        System.out.println("super class of val2 = " + cls.getName());  
    }  
}
```

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

```
val1 is object of type = superClass  
super class of val1 = java.lang.Object  
val2 is object of type = subClass  
super class of val2 = superClass
```

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