

JAVA.LANG.CLASS.GETGENERICINTERFACES METHOD

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

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Description

The **java.lang.Class.getGenericInterfaces** returns the Types representing the interfaces directly implemented by the class or interface represented by this object.

Declaration

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

```
public Type[] getGenericInterfaces()
```

Parameters

- NA

Return Value

This method returns an array of interfaces implemented by this class.

Exception

- **GenericSignatureFormatError** -- If the generic class signature does not conform to the format specified in the Java Virtual Machine Specification, 3rd edition.
- **TypeNotPresentException** -- If any of the generic superinterfaces refers to a non-existent type declaration
- **MalformedParameterizedTypeException** -- if any of the generic superinterfaces refer to a parameterized type that cannot be instantiated for any reason.

Example

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

```
package com.tutorialspoint;

import java.lang.reflect.*;

public class ClassDemo {

    public static void main(String []args) {

        ClassDemo d = new ClassDemo();
        Class c = d.getClass();

        Type[] t = c.getGenericInterfaces();
        if(t.length != 0) {
            for(Type val : t) {
                System.out.println(val.toString());
            }
        }
        else {
            System.out.println("Interfaces are not implemented...");
        }
    }
}
```

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

```
Interfaces are not implemented...
```

