

JAVA.LANG.CLASS.GETTYPEPARAMETERS METHOD

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

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Description

The **java.lang.Class.getTypeParameters** returns an array of **TypeVariable** objects that represent the type variables declared by the generic declaration represented by this **GenericDeclaration** object. It returns an array of length 0 if the underlying generic declaration declares no type variables.

Declaration

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

```
public TypeVariable<Class<T>>[] getTypeParameters()
```

Parameters

- NA

Return Value

This method returns an array of **TypeVariable** objects that represent the type variables declared by this generic declaration.

Exception

- **GenericSignatureFormatError** -- if the generic signature of this generic declaration does not conform to the format specified in the Java Virtual Machine Specification, 3rd edition.

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ClassDemo {

    public static void main(String[] args) throws Exception {

        // returns an array of TypeVariable object
        TypeVariable[] tValue = List.class.getTypeParameters();
        System.out.println(tValue[0].getName());
    }
}
```

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

```
F
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```