

JAVA.LANG.CLASS.FORNAMESTRINGCLASSNAME METHOD

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

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Description

The **java.lang.Class.forNameStringclassName** method returns the Class object associated with the class or interface with the given string name.

Declaration

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

```
public static Class<?> forName(String className) throws ClassNotFoundException
```

Parameters

- **className** -- This is the fully qualified name of the desired class.

Return Value

This method returns the Class object for the class with the specified name.

Exception

- **LinkageError** -- if the linkage fails.
- **ExceptionInInitializerError** -- if the initialization provoked by this method fails.
- **ClassNotFoundException** -- if the class cannot be located.

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ClassDemo {

    public static void main(String[] args) {

        try {
            // returns the Class object for the class with the specified name
            Class cls = Class.forName("java.lang.ClassLoader");

            // returns the name and package of the class
            System.out.println("Class found = " + cls.getName());
            System.out.println("Package = " + cls.getPackage());
        }
        catch(ClassNotFoundException ex) {
            System.out.println(ex.toString());
        }
    }
}
```

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

```
Class found = java.lang.ClassLoader
Package = package java.lang. Java Platform API Specification, version 1.6
Loading [MathJax]/jax/output/HTML-CSS/jax.js
```