

JAVA.LANG.CLASS.ISINSTANCE METHOD

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

Copyright © tutorialspoint.com

Description

The **java.lang.Class.isInstance** determines if the specified Object is assignment-compatible with the object represented by this Class. It is dynamic equivalent of the Java language *instanceof* operator.

Declaration

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

```
public boolean isInstance(Object obj)
```

Parameters

- **obj** -- This is the object to check.

Return Value

This method returns true if obj is an instance of this class.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ClassDemo {

    public static void main(String[] args) {

        // Long object represented by class object
        Class cls = Long.class;

        Long l = new Long(86576);
        Double d = new Double(3.5);

        // checking for Long instance
        boolean retval = cls.isInstance(l);
        System.out.println(l + " is Long ? " + retval);

        // checking for Long instance
        retval = cls.isInstance(d);
        System.out.println(d + " is Long ? " + retval);
    }
}
```

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

```
86576 is Long ? true
3.5 is Long ? false
```

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