

JAVA.MATH.MATHCONTEXT.EQUALS METHOD

http://www.tutorialspoint.com/java/math/mathcontext_equals.htm

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Description

The **java.math.MathContext.equals***Objectx* compares this MathContext with the specified Object for equality.

Declaration

Following is the declaration for **java.math.MathContext.equals** method

```
public boolean equals(Object x)
```

Overrides

equals in class **Object**

Parameters

- **x** - Object to which this MathContext is to be compared

Return Value

This method returns true if and only if the specified Object is a MathContext object which has exactly the same settings as this object.

Exception

- **NA**

Example

The following example shows the usage of math.MathContext.equals method

```
package com.tutorialspoint;

import java.math.*;

public class MathContextDemo {

    public static void main(String[] args) {

        // create 3 MathContext objects
        MathContext mc1, mc2, mc3;

        // assign context settings to mc1, mc2, mc3
        mc1 = new MathContext(2);
        mc2 = new MathContext(2, RoundingMode.HALF_UP);
        mc3 = new MathContext(2, RoundingMode.HALF_DOWN);

        // create 2 boolean objects
        Boolean b1, b2;

        // compare context settings of mc1 with mc2, mc3
        b1 = mc1.equals(mc2);
        b2 = mc1.equals(mc3);

        String str1 = "Context settings of mc1 and mc2 are equal is " + b1;
        String str2 = "Context settings of mc1 and mc3 are equal is " + b2;

        // print b1, b2 values
        System.out.println( str1 );
        System.out.println( str2 );
    }
}
```

```
}  
}
```

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

```
Context settings of mc1 and mc2 are equal is true  
Context settings of mc1 and mc3 are equal is false
```

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