

JAVA.LANG.DOUBLE.TOHEXSTRING METHOD

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

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Description

The **java.lang.Double.toHexString** method returns a hexadecimal string representation of the double argument **d**. Some examples can be seen here:

Floating-point Value	Hexadecimal String
1.0	0x1.0p0
-1.0	-0x1.0p0
2.0	0x1.0p1
3.0	0x1.8p1
0.5	0x1.0p-1
0.25	0x1.0p-2
Double.MAX_VALUE	0x1.fffffffffffffp1023
Minimum Normal Value	0x1.0p-1022
Maximum Subnormal Value	0x0.fffffffffffffp-1022
Double.MIN_VALUE	0x0.00000000000001p-1022

Declaration

Following is the declaration for **java.lang.Double.toHexString** method

```
public static String toHexString(double d)
```

Parameters

- **d** -- This is the double to be converted.

Return Value

This method returns a hex string representation of the argument.

Exception

- **NA**

Example

The following example shows the usage of java.lang.Double.toHexString method.

```
package com.tutorialspoint;  
  
import java.lang.*;  
  
public class DoubleDemo {
```

```

public static void main(String[] args) {

    Double d = new Double("4.0");

    /* returns a hexadecimal string representation of the
    double argument */
    String str = d.toHexString(1.0);
    System.out.println("Hex String = " + str);

    str = d.toHexString(3.0);
    System.out.println("Hex String = " + str);

    str = d.toHexString(0.25);
    System.out.println("Hex String = " + str);

    str = d.toHexString(Double.MAX_VALUE);
    System.out.println("Hex String = " + str);
}
}

```

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

```

Hex String = 0x1.0p0
Hex String = 0x1.8p1
Hex String = 0x1.0p-2
Hex String = 0x1.fffffffffffffn1023

```

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