

JAVA.LANG.CHARACTER.FORDIGIT METHOD

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

Copyright © tutorialspoint.com

Description

The **java.lang.Character.forDigit** method determines the character representation for a specific digit in the specified radix. If the value of radix is not a valid radix, or the value of digit is not a valid digit in the specified radix, the null character '\u0000' is returned.

The radix argument is valid if it is greater than or equal to MIN_RADIX and less than or equal to MAX_RADIX. The digit argument is valid if $0 \leq \text{digit} < \text{radix}$.

If the digit is less than 10, then '0' + digit is returned. Otherwise, the value 'a' + digit - 10 is returned.

Declaration

Following is the declaration for **java.lang.Character.forDigit** method

```
public static char forDigit(int digit, int radix)
```

Parameters

- **digit** - the number to convert to a character
- **radix** - the radix

Return Value

This method returns the char representation of the specified digit in the specified radix.

Exception

- **NA**

Example

The following example shows the usage of lang.Character.forDigit method.

```
package com.tutorialspoint;

import java.lang.*;

public class CharacterDemo {

    public static void main(String[] args) {

        // create 2 character primitives ch1, ch2
        char ch1, ch2;

        // create 2 int primitives i1, i2 and assign values
        int i1 = 3;
        int i2 = 14;

        // assign char representation of i1, i2 to ch1, ch2 using radix
        ch1 = Character.forDigit(i1, 10);
        ch2 = Character.forDigit(i2, 16);

        String str1 = "Char representation of " + i1 + " in radix 10 is " + ch1;
        String str2 = "Char representation of " + i2 + " in radix 16 is " + ch2;

        // print ch1, ch2 values
        System.out.println( str1 );
        System.out.println( str2 );
    }
}
```

```
}  
}
```

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

```
Char representation of 3 in radix 10 is 3  
Char representation of 14 in radix 16 is e  
Loading [Mathjax]/jax/output/HTML-CSS/jax.js
```