

C LIBRARY FUNCTION - ISXDIGIT

http://www.tutorialspoint.com/c_standard_library/c_function_isxdigit.htm

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Description

The C library function **int isxdigit***int c* checks whether the passed character is a hexadecimal digit.

Declaration

Following is the declaration for isxdigit function.

```
int isxdigit(int c);
```

Parameters

- **c** – This is the character to be checked.

Return Value

This function returns a non-zero value *true* if c is a hexadecimal digit else, zero *false*.

Example

The following example shows the usage of isxdigit function.

```
#include <stdio.h>
#include <ctype.h>

int main()
{
    char var1[] = "tuts";
    char var2[] = "0xE";

    if( isxdigit(var1[0]) )
    {
        printf("var1 = |%s| is hexadecimal character\n", var1 );
    }
    else
    {
        printf("var1 = |%s| is not hexadecimal character\n", var1 );
    }

    if( isxdigit(var2[0]) )
    {
        printf("var2 = |%s| is hexadecimal character\n", var2 );
    }
    else
    {
        printf("var2 = |%s| is not hexadecimal character\n", var2 );
    }

    return(0);
}
```

Let us compile and run the above program to produce the following result –

```
var1 = |tuts| is not hexadecimal character
var2 = |0xE| is hexadecimal character
```

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