

## C library function - isxdigit()

### 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 );
    }
}
```

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```
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
```