

C LIBRARY FUNCTION - ISALNUM

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

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Description

The C library function **void isalnum***int c* checks if the passed character is alphanumeric.

Declaration

Following is the declaration for isalnum function.

```
int isalnum(int c);
```

Parameters

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

Return Value

This function returns non-zero value if c is a digit or a letter, else it returns 0.

Example

The following example shows the usage of isalnum function.

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

int main()
{
    int var1 = 'd';
    int var2 = '2';
    int var3 = '\t';
    int var4 = ' ';

    if( isalnum(var1) )
    {
        printf("var1 = |%c| is alphanumeric\n", var1 );
    }
    else
    {
        printf("var1 = |%c| is not alphanumeric\n", var1 );
    }

    if( isalnum(var2) )
    {
        printf("var2 = |%c| is alphanumeric\n", var2 );
    }
    else
    {
        printf("var2 = |%c| is not alphanumeric\n", var2 );
    }

    if( isalnum(var3) )
    {
        printf("var3 = |%c| is alphanumeric\n", var3 );
    }
    else
    {
        printf("var3 = |%c| is not alphanumeric\n", var3 );
    }

    if( isalnum(var4) )
    {
```

```
    printf("var4 = |%c| is alphanumeric\n", var4 );  
}  
else  
{  
    printf("var4 = |%c| is not alphanumeric\n", var4 );  
}  
return(0);  
}
```

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

```
var1 = |d| is alphanumeric  
var2 = |2| is alphanumeric  
var3 = | | is not alphanumeric  
var4 = | | is not alphanumeric
```

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