

C library function - isalnum()

Description

The C library function **int 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 );
    }
}
```

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```
    }

    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
```