

## 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 nonzero value if c is a digit or a letter, else 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);
}
```