

C LIBRARY FUNCTION - ISSPACE

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

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Description

The C library function **int isspace***intc* checks whether the passed character is white-space.

Standard white-space characters are –

```
' '   (0x20) space (SPC)
'\t' (0x09) horizontal tab (TAB)
'\n' (0x0a) newline (LF)
'\v' (0x0b) vertical tab (VT)
'\f' (0x0c) feed (FF)
'\r' (0x0d) carriage return (CR)
```

Declaration

Following is the declaration for isspace function.

```
int isspace(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 white-space character else, zero *false*.

Example

The following example shows the usage of isspace function.

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

int main()
{
    int var1 = 't';
    int var2 = '1';
    int var3 = ' ';

    if( isspace(var1) )
    {
        printf("var1 = |%c| is a white-space character\n", var1 );
    }
    else
    {
        printf("var1 = |%c| is not a white-space character\n", var1 );
    }

    if( isspace(var2) )
    {
        printf("var2 = |%c| is a white-space character\n", var2 );
    }
    else
    {
        printf("var2 = |%c| is not a white-space character\n", var2 );
    }

    if( isspace(var3) )
    {
        printf("var3 = |%c| is a white-space character\n", var3 );
    }
}
```

```
}  
else  
{  
    printf("var3 = |%c| is not a white-space character\n", var3 );  
}  
  
return(0);  
}
```

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

```
var1 = |t| is not a white-space character  
var2 = |1| is not a white-space character  
var3 = | | is a white-space character
```

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