

C LIBRARY FUNCTION - ISCNTRL

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

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Description

The C library function **void iscntrl** checks if the passed character is a control character.

According to standard ASCII character set, control characters are between ASCII codes 0x00 *NUL*, 0x1f *US*, and 0x7f *DEL*. Specific compiler implementations for certain platforms may define additional control characters in the extended character set *above 0x7f*.

Declaration

Following is the declaration for iscntrl function.

```
int iscntrl(int c);
```

Parameters

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

Return Value

This function returns non-zero value if c is a control character, else it returns 0.

Example

The following example shows the usage of iscntrl function.

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

int main ()
{
    int i = 0, j = 0;
    char str1[] = "all \a about \t programming";
    char str2[] = "tutorials \n point";

    /* Prints string till control character \a */
    while( !iscntrl(str1[i]) )
    {
        putchar(str1[i]);
        i++;
    }

    /* Prints string till control character \n */
    while( !iscntrl(str2[j]) )
    {
        putchar(str2[j]);
        j++;
    }

    return(0);
}
```

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

```
all tutorials
```

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