

C LIBRARY FUNCTION - ISPUNCT

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

Copyright © tutorialspoint.com

Description

The C library function **int ispunct(int c)** checks whether the passed character is a punctuation character. A punctuation character is any graphic character *as in isgraph* that is not alphanumeric *as in isalnum*.

Declaration

Following is the declaration for ispunct function.

```
int ispunct(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 punctuation character else, zero *false*.

Example

The following example shows the usage of ispunct function.

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

int main()
{
    int var1 = 't';
    int var2 = '1';
    int var3 = '/';
    int var4 = ' ';

    if( ispunct(var1) )
    {
        printf("var1 = |%c| is a punctuation character\n", var1 );
    }
    else
    {
        printf("var1 = |%c| is not a punctuation character\n", var1 );
    }

    if( ispunct(var2) )
    {
        printf("var2 = |%c| is a punctuation character\n", var2 );
    }
    else
    {
        printf("var2 = |%c| is not a punctuation character\n", var2 );
    }

    if( ispunct(var3) )
    {
        printf("var3 = |%c| is a punctuation character\n", var3 );
    }
    else
    {
        printf("var3 = |%c| is not a punctuation character\n", var3 );
    }
}
```

```
if( ispunct(var4) )
{
    printf("var4 = |%c| is a punctuation character\n", var4 );
}
else
{
    printf("var4 = |%c| is not a punctuation character\n", var4 );
}

return(0);
}
```

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

```
var1 = |t| is not a punctuation character
var2 = |1| is not a punctuation character
var3 = |/| is a punctuation character
var4 = |.| is not a punctuation character
```

Loading [MathJax]/jax/output/HTML-CSS/jax.js