

C library function - isprint()

Description

The C library function **int isprint(int c)** checks whether the passed character is printable. A printable character is a character that is not a control character.

Declaration

Following is the declaration for isprint() function.

```
int isprint(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 printable character else, zero (false).

Example

The following example shows the usage of isprint() function.

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

int main () {
    int var1 = 'k';
    int var2 = '8';
    int var3 = '\t';
    int var4 = ' ';

    if( isprint(var1) ) {
        printf("var1 = |%c| can be printed\n", var1 );
    } else {
        printf("var1 = |%c| can't be printed\n", var1 );
    }

    if( isprint(var2) ) {
        printf("var2 = |%c| can be printed\n", var2 );
    } else {
```

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```
    printf("var2 = |%c| can't be printed\n", var2 );
}

if( isprint(var3) ) {
    printf("var3 = |%c| can be printed\n", var3 );
} else {
    printf("var3 = |%c| can't be printed\n", var3 );
}

if( isprint(var4) ) {
    printf("var4 = |%c| can be printed\n", var4 );
} else {
    printf("var4 = |%c| can't be printed\n", var4 );
}

return(0);
}
```

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

```
var1 = |k| can be printed
var2 = |8| can be printed
var3 = |   | can't be printed
var4 = | | can be printed
```