C library function - isupper()

Description

The C library function **int isupper(int c)** checks whether the passed character is uppercase letter.

Declaration

Following is the declaration for isupper() function.

```
int isupper(int c);
```

Parameters

- □ **c** − This is the character to be checked.

Return Value

This function returns a non-zero value(true) if c is an uppercase alphabetic letter else, zero (false).

Example

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

Live Demo

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

int main () {
   int var1 = 'M';
   int var2 = 'm';
   int var3 = '3';

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

   if( isupper(var2) ) {
      printf("var2 = |%c| is uppercase character\n", var2 );
   } else {
```

```c
      printf("var2 = |%c| is not uppercase character\n", var2 );
   }

   if( isupper(var3) ) {
      printf("var3 = |%c| is uppercase character\n", var3 );
   } else {
      printf("var3 = |%c| is not uppercase character\n", var3 );
   }

   return(0);
}
```

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

```
var1 = |M| is uppercase character
var2 = |m| is not uppercase character
var3 = |3| is not uppercase character
```