

C library function - isdigit()

Description

The C library function **int isdigit(int c)** checks if the passed character is a decimal digit character.

Decimal digits are (numbers) – 0 1 2 3 4 5 6 7 8 9.

Declaration

Following is the declaration for isdigit() function.

```
int isdigit(int c);
```

Parameters

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

Return Value

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

Example

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

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

int main () {
    int var1 = 'h';
    int var2 = '2';

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

    if( isdigit(var2) ) {
        printf("var2 = |%c| is a digit\n", var2 );
    } else {
        printf("var2 = |%c| is not a digit\n", var2 );
    }
}
```

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```
}  
  
return(0);  
}
```

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

```
var1 = |h| is not a digit  
var2 = |2| is a digit
```