

classifyChar

Write a C program that reads an input character from the user and prints a message to state whether the character is an uppercase letter, a lowercase letter, a digit or other character.

A sample program template is given below:

```
#include <stdio.h>
int main()
{
    /* Write your code here */
    return 0;
}
```

Sample input and output sessions are given below:

(1) Test Case 1
Enter a character:
A
Upper case letter

(2) Test Case 2
Enter a character:
a
Lower case letter

(3) Test Case 3
Enter a character:
1
Digit

(4) Test Case 4
Enter a character:

Other character

```
#include <stdio.h>
int main()
{
    char c;

    printf("Enter a character:\n");
    scanf("%c",&c);

    if(isalpha(c)==0)
    {
        if(isdigit(c)==0)
        {
            printf("Other character\n");
        }
        else
        {
            printf("Digit\n");
        }
    }
    else
    {
        if(isupper(c)==0)
        {
            printf("Lower case letter\n");
        }
        else
        {
            printf("Upper case letter\n");
        }
    }
    return 0;
}
```

-if c is an alphabet, isalpha() can return a different non zero integer

-take note of & in scanf()