

Program to check given character  
is in upper case, lower case

```
#include <stdio.h>
#include <conio.h>
int main()
{
    char ch;
    clrscr();
    printf("Enter any character: ");
    scanf("%c", &ch);
    if (ch >= 'A' && ch <= 'Z')
    {
        printf("'%c' is uppercase alphabet", ch);
    }
    else if (ch >= 'a' && ch <= 'z')
    {
        printf("'%c' is lowercase alphabet", ch);
    }
    else {
        printf("'%c' is not an alphabet", ch);
    }
    getch();
}
```

Enter any character: A

'A' is uppercase alphabet.

Enumerate data type (or enum) is a user defined data type in C. It is mainly used to assign names to integral constants. The names make a program easy to read and maintain.

```
enum state {working = 1, failed = 0};
```

The keyword 'enum' is used to declare new enumeration types in C and C++.