

Introduction to C programming

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project 6

C Program to convert uppercase string to lowercase string

In the following C program, users would be asked to enter a String (it can be in complete uppercase or partial uppercase) and then the program would convert it into a complete(all characters in lower case) lower case string. The logic we have used in the following program is: All the uppercase characters (A-Z) have ASCII value ranging from 65 to 90 and their corresponding lower case characters (a-z) have ASCII value 32 greater than them. For example 'A' has a ASCII value 65 and 'a' has a ASCII value 97 (65+32). Same applies for other characters.

```
/* C program to convert uppercase string to
 * lower case
 */
#include<stdio.h>
#include<string.h>
int main(){
    /* This array can hold a string of upto 25
     * chars, if you are going to enter larger string
     * then increase the array size accordingly
     */
    char str[25];
    int i;
    printf("Enter the string: ");
    scanf("%s",str);

    for(i=0;i<=strlen(str);i++){
        if(str[i]>=65&&str[i]<=90)
            str[i]=str[i]+32;
    }
    printf("\nLower Case String is: %s",str);
    return 0;
}
```