Module 10;

10-0;

What we gonna learn in this module:

1. Learn about string.
2. How to take input and give output of string.
3. Determining the length of string.
4. Solve some problem string related.

10-1;

Character array is string;

Array size = sizeof(array)/sizeof(char);

10-2;

Introduction to null(\0)

Char a[] = “Sakib”;

Char a[6] = “Sakib”; // here one space is left blank for null

If we init like this we don’t need to add null, just have to increase the size by one, and compiler will automatically add null by default to the string

It is the same in case of :

Char a[6] = {‘S’, ‘a’, ‘k’, ‘I’, ‘b’};

The last space will be automatically allocated for null

If we print like this:

Printf(“%s”, a); or puts(a);

10-3;

Errors for accessing extra memory:

1. Runtime error
2. Segmentation fault

10-4;

String input with spaces using gets and fgets:

gets is dangerous, avoid;

fgets is okay to use;

fgets(a, 10, stdin);

a is array.  
10 is size with characters + null.  
stdin is standard input output

10-5;

Determine length of a string,

Using while loop, for loop and strlen();