C Language

Chapter # 10
Input and Output
Lecture: 21

Today's Lecture

► **scanf Function**

Input

- The process of giving something to the computer is known as input.

- The input is mostly given by the keyboard.

- The term "standard input" refers to the input using keyboard.

- C languge provides many functions to get input from the user.

  Some input functions are:

- scanf()

- gets()

- getch()

- getche()

scanf Function

► Scanf function is used to get input from the user.

► The input stored in a variable in a specified form.

Syntax:

scanf("Format string", &variable1, &variable2, &variable3);

Getting Single Input

scanf("%d", &n);

Getting Multiple Inputs

scanf("%d %d", &n, &m);

It is also possible to get different types of inputs in the same function.

scanf("%d %f", &n, &avg);

The scanf function is normally used in combination with printf function. The purpose of using printf function before scanf function is to tell the user that computer is waiting for input.

```
printf("Enter your marks");
scanf("%d", &marks);
```

Example

Write a program that input two numbers from the user and display the sum of these numbers.

```c
#include<stdio.h>
#include<conio.h>
main()
{
    int a, b, c;
    printf("Enter the first value: ");
    scanf("%d", &a);
    printf("Enter the second value: ");
    scanf("%d", &b);
    c = a + b;
    printf("The result = %d", c);
}
```

The End

Read this topic from your books and ask question if any confusion.

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