

# C Language

Chapter # 10

Input and Output

Lecture: 22

# Today's Lecture

- ▶ What is Character input?
- ▶ Function used for Character input.
  - `getch()` Function
  - `getche()` Function

# What is Character input?

- ▶ C provides different function for character input.
- ▶ scanf can be used for character input. But it requires the pressing of enter key at the end of input value.
- ▶ it is not useful in a situation where the input is to be entered without enter key.
- ▶ For example, in games, the pressing of enter key can effect the game.
- ▶ C provide specialized function for character input.
  - getch()
  - getche()

The above functions are part of conio.h library file.

# getch()

- ▶ The word getch stands for get character.
- ▶ The getch function is used to input single character from the user.
- ▶ The character entered by the user is not displayed on the screen.

## **Syntax:**

```
getch();
```

Another way to use this function

```
variable = getch();
```

# Example

**Write a program that input a character using getch() function and display it on the screen.**

```
#include<stdio.h>
#include<conio.h>
main()
{
    char c;
    printf("Enter Character: ");
    c = getch();
    printf("You entered %c", c);
}
```

# getche()

- ▶ The word getch stands for get character.
- ▶ The letter e stands for echo.
- ▶ The getche function is used to input single character from the user.
- ▶ The character entered by the user is displayed on the screen. The function echoes (displays) the character on the screen.

## **Syntax:**

```
getche();
```

Another way to use this function

```
variable = getche();
```

# Example

**Write a program that input a character using getch() function and display it on the screen.**

```
#include<stdio.h>
#include<conio.h>
main()
{
    char c;
    printf("Enter Character: ");
    c = getch();
    printf("You entered %c", c);
}
```

# gets()

- ▶ The gets function is used to input string value from the user.
- ▶ After typing the string from keyboard, the user presses ENTER key and the string is stored in the variable.

## **Syntax:**

```
gets(variable);
```



# Example

**Write a program that input a string using gets() function and display it on the screen.**

```
#include<stdio.h>
#include<conio.h>
main()
{
    char c[ 25];
    printf("Enter your country: ");
    gets(c);
    printf("You entered %s", c);
}
```

# The End

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

# JAZAKALLAH