

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.

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