

C Language

Chapter # 10

Input and Output

Lecture: 23

Today's Lecture

- ▶ `puts()` Function
- ▶ `clrscr()` Function
- ▶ `sizeof()` Operator

puts()

- ▶ The puts function is used to display string on the screen.
- ▶ It can display a string constant or string variables.

Syntax:

```
puts(parameter);
```

Example:

```
puts(str);
```

```
puts("Pakistan");
```

Example

Write a program that inputs a string and display it on the screen using puts function.

```
#include<stdio.h>
#include<conio.h>
main()
{
    char book[50];
    printf("Enter name of your favorite book: ");
    gets(book);
    printf("Your favorite book is");
    puts(book);
}
```

clrscr()

- ▶ The clrscr function is used to clear the screen.
- ▶ It is an abbreviation of “Clear Screen”
- ▶ This function is available in header file **conio.h**

Syntax:

```
clrscr();
```

sizeof operator

- ▶ The sizeof operator is used to find the size of any data value.
- ▶ It gives the number of bytes occupied by that value.

Syntax:

```
sizeof(operand);
```

Example:

```
sizeof(n);
```

```
sizeof(10);
```

```
sizeof(4.5);
```

```
sizeof("Pakistan");
```

Example

Write a program that displays the size of different data types.

```
#include<stdio.h>
#include<conio.h>
main()
{
    printf("size of char = %d\n", sizeof(char));
    printf("size of short int = %d\n", sizeof(short int));
    printf("size of int = %d\n", sizeof(int));
    printf("size of float = %d\n", sizeof(float));
}
```

The End

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

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