

RED & WHITE[®]

Multimedia Education

Shaping "skills" for "scaling" higher...!!!

WELCOME, PROGRAMMERS



01.

What is Control Statements?

WHAT IS CONTROL STATEMENTS?



CONTROL STATEMENTS

Control statements are used to **control the flow of execution of a program.**

They allow you to dictate which parts of the code should be executed based on certain conditions or repetitions.



TYPES OF CONTROL STATEMENTS

There are mainly three types of control statements in C language:

break

1

continue

2

goto

3





break

break Statement

Terminates the innermost loop or switch statement.

```
while (condition)
{
    // code
    if (some_condition)
    {
        break; // exits the loop
    }
}
```





continue

continue Statement

Skips the rest of the loop's code for the **current iteration** and jumps to the next iteration.

```
for (int i = 0; i < 10; i++)  
{  
    if (i % 2 == 0)  
    {  
        continue; // skips even numbers  
    }  
    // code here is skipped for even numbers  
}
```





goto

goto Statement

The goto statement is a **jump statement** that allows you to **transfer the control of the program to a labeled statement**.

It is considered harmful and is generally discouraged because it can lead to unreadable and hard-to-maintain code, often referred to as "**spaghetti code**".

The use of goto can make the control flow of a program complex and less structured.



goto Statement

`goto label;` transfers the control of the program to the statement **labeled label**.

label: is a statement label, and it **marks the location** in the code **where the control will jump to**.

```
goto label;
```

```
// ...
```

```
label:
```

```
// statement or block of code
```



LANGUAGE

Let's start now...

