

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

continue

goto









































































### break Statement



Terminates the innermost loop or switch statement.

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



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#### 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
}</pre>
```



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# goto Statement

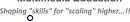


The goto statement is a **jump statement** that allows you to **transfer the control of the program to a labeled statement**.

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
```



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Let's start now...





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