C If Else

Topics : C
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In C programming language, `if` statement is used to execute a block of code if a particular condition is true. If the condition is false, the block of code is skipped, and the program continues to execute the statements that follow the `if` block.

The `if` statement can be followed by an optional `else` statement, which is executed if the condition of the `if` statement is false.

Here's the syntax for `if-else` statement in C programming language:

```
if (condition) {
    // code to be executed if the condition is true
}
else {
    // code to be executed if the condition is false
}
```

The `condition` in the above syntax is a boolean expression that evaluates to either `true` or `false`.

Here's an example of `if-else` statement in C programming language:

```
#include <stdio.h>

int main() {
    int num = 10;
    if (num > 0) {
        printf("The number is positive\n");
    }
    else {
        printf("The number is negative\n");
    }
    return 0;
}
```

In the above example, we have declared an integer variable `num` and assigned a value of 10 to it. We have used an `if-else` statement to check if `num` is positive or negative, and printed the appropriate message.

Note that if the `if` statement has only one statement to execute, we can omit the curly braces `{}`. However, it is always a good practice to use the curly braces to avoid any confusion or error in the code.