

C++ Ternary Operator: Explained with Emojis


The **ternary operator** is a shorthand way to write an **if-else** statement.

 Syntax:

```
condition ? value_if_true : value_if_false;
```


 Meaning:

- ☒ If the **condition** is **true**, return **value_if_true**
- ☒ If the **condition** is **false**, return **value_if_false**

 Example:


```
#include <iostream>
using namespace std;

int main() {
    int age = 18;

    //  Check if person is eligible to vote
    string result = (age >= 18) ? "☒ Eligible to vote" : "☒ Not eligible to vote";




    cout << result << endl;

    return 0;
}
```

 Output:

```
☒ Eligible to vote
```

 Breakdown with Emojis:

| Part | Meaning | Emoji |
|---|---|---|
| age >= 18 |  Condition to check |  |
| ? " <input checked="" type="checkbox"/> Eligible to vote" |  If true, this value is used | <input checked="" type="checkbox"/> |

| Part | Meaning | Emoji |
|-----------------------|--------------------------------|-------|
| : "✖ Not eligible..." | 🎯 If false, this value is used | ✖ |
| string result = ... | 📄 Store the result in a string | 📦 |
| cout << result; | 🗣️ Output the result | 📢 |

💡 Pro Tip:

Use ternary operator for **short decisions**. Avoid it for complex logic—it can make code harder to read! 📄