

36 - Ternary Operators in C++ (Conditional Assignment)

quarta-feira, 26 de fevereiro de 2025 07:21

- Name for the question mark and the collon you may see in the code
- simplification of if statement
- Never nest ternary operators please

```
// Original if declaration - simpe conditional assigment
if(s_Level36 > 5)
    s_Speed36 = 10;
else
    s_Speed36 = 5;

// This two statements are identical
// Not everyone likes it , i think this is cleaner, although it's more code to read

// When we nest the condition it starts to get confusion
s_Speed36 = s_Level36 > 5 ? s_Level36 > 10 ? 15 : 10 : 5;

std::cout << s_Speed36 << std::endl;

// No need to create a intermediary string
std::string rank36 = s_Level36 > 10 ? "Master" : "Beginner";

std::string rank36_2; // Create an empty string
// And then assign a value to it... it's tecnicly slower than the ternary
if(s_Level36 > 5)
    rank36_2 = "Master" ;
else
    rank36_2 = "Beginner";

std::cout<< "" << std::endl;
```