4.9-Ternary Operator

Program

```
string nationality = "French";
bool isFrench = (nationality == "French") ? true : false;
Console.WriteLine(isFrench);

int years = 30;
string userStatus;
userStatus = (years < 18) ? "Minor" : "Adult";
Console.WriteLine(userStatus);
```

Exercise

Write a C# program where declare a string variable nationality and initialize it with the value "French".

Determine whether the nationality is "French" and store the result in a boolean variable isFrench.

Output the value of isFrench to the console.

Declare an integer variable years and assign it a value of 30.

Evaluate whether years is less than 18 and assign the string "Minor" to the variable userStatus if true, otherwise assign "Adult".

Print the value of userStatus to the console.

Hint

Use the conditional ternary operator (condition) ? trueValue : falseValue to assign the boolean variable isFrench based on whether the nationality is "French".

Utilize the same operator to determine the userStatus based on the value of years.

Explanation

initializing a string variable named nationality with the value "French". It then evaluates whether the nationality is equal to the string "French" using a conditional ternary operator. If the condition holds true, the boolean variable isFrench is assigned the value true; otherwise, it's assigned false. Subsequently, the value of isFrench is printed to the console.

Moving on, the code initializes an integer variable years with the value 30, representing a person's age. It then utilizes another conditional ternary operator to determine the userStatus based on the value of years. If years is less than 18, indicating the person is underaged, userStatus is assigned the string "Minor"; otherwise, it's assigned the string "Adult". Finally, the value of userStatus is printed to the console. In summary, this code demonstrates the usage of conditional ternary operators to make decisions based on certain conditions and outputting the result accordingly.