In the Name of Allah

Project Title: Prj 22

Programming Software: Visual Studio Code, Version 1.73.1

Programming language: JavaScript

Project Description :

Steven wants to build a very simple tip calculator for whenever he goes eating in a restaurant. In his country, it's usual to tip 15% if the bill value is between 50 and 300. If the value is different, the tip is 20%.

1. Calculate the tip, depending on the bill value. Create a variable called 'tip' for this. It's not allowed to use an if/else statement 😅 (If it's easier for you, you can start with an if/else statement, and then try to convert it to a ternary operator!)

2. Print a string to the console containing the bill value, the tip, and the final value (bill + tip). Example: "The bill was 275, the tip was 41.25, and the total value 316.25"

Test data:

§ Data 1: Test for bill values 275, 40 and 430

Project Solution :

```javascript
let bill = 275;
let tip = 50 <= bill && bill <= 300

? 0.15 * bill : 0.2 * bill;
console.log(
  `The Bill was ${bill} , the tip was ${tip} , and the total value was ${
    bill + tip
  }`);
bill = 40;
tip = 50 <= bill <= 300 ? 0.15 * bill : 0.2 * bill;
console.log(
  `The Bill was ${bill} , the tip was ${tip} , and the total value was ${
    bill + tip
  }`);
bill = 430;
tip = 50 <= bill <= 300 ? 0.15 * bill : 0.2 * bill;
console.log(
  `The Bill was ${bill} , the tip was ${tip} , and the total value was ${
    bill + tip}`);
```