Practical 5

Task 1 (20 marks):

Scenario:
Student final grades need to be captured for exams
You are provided with the template code that allows the user to enter a name and 5 test/project results as a string:

3 practicals counting 10 percent each, 1 semester test counting 30%, 1 exam counting 40%
This will be captured through the command line

In C++, You are required to finish the calculation of the final grade by taking each mark from the string, converting it to the appropriate data type and performing the final grade calculation.

Task 2 (20 marks):

Scenario:
You are required to pay for the bill at a restaurant but you need a quick fast solution
From here onwards you won't be provided with any template code and will build everything from scratch including variables and all additional functionality.

In C++, You are required to allow users to enter the price of what they ate and the tip (10%, 20%, or 30%). Additionally, You are required to provide a total of the bill and how much each person should pay