Homework Assignment #1
Profit Percentage and Sale Price Calculator

Write a code that asks the user to enter the following information of a product:
   a. The name of the product
   b. The cost of the product
   c. The original sale price of the product

The program will calculate the profit percentage and display an output like:
The profit percentage of Bic Ball Pen is $40.

After displaying the profit percentage, the program will ask the user to enter the discount percentage. The program will calculate and display the sale price and the amount saved by the shopper.

A) The formula to calculate the profit percentage is: **((sale price-cost price)/sale price)*100**.
B) The formula to calculate the sale price is: **original price-original price*(discount percentage/100)**.
C) The formula to calculate the amount saved by the shopper is: **original price-sale price**.

You have to display the following information on the terminal:
1) The name of the program: Profit Percentage and Discount Price Calculator
2) Messages guiding the user to use the program: Enter the product name, enter the cost….
3) The results calculated by the program

Save your work in productCalculator.cpp and submit it to Homework Assignments Submission folder. Before you submit, make sure that your code works.