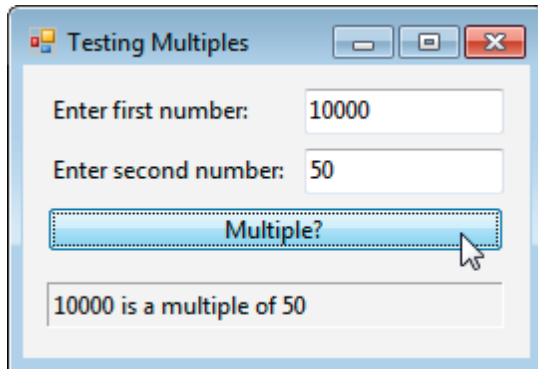# Sheet # 3

Question #1: Write the following Programs in Visual Basic:

a) **(Multiples)** Write an application that reads two integers and determines and prints whether the first is a multiple of the second. For example, if the user inputs 15 and 3, the first number is a multiple of the second. If the user inputs 2 and 4, the first number is not a multiple of the second. [Hint: Use the Mod operator.]

b) **(Retail Sales Calculator Application)** An online store sells five products whose prices are as follows: product 1: $2.98 - product 2: $4.50 - product 3: $9.98 - product 4: $4.49 - product 5: $6.87. Write an application that reads two inputs:
   a) product number.

   b) quantity sold.

   Then, when "Submit" button is pressed, It should calculate and display the total price of all products sold in an output Label as shown in the figure below. [Note: you can extract the input from NumericUpDown GUI control as follows *NumericUpDown1.Value*]. When the "Reset" button is pressed, the inputs should be cleared.

c) *(Sales person bonus Calculator)* Sales persons in mobile store, which sells mobile phones from different brands, are given monthly bonuses to their salaries based on their ability to sell the store's products. For each sales person, this bonus is calculated based on:

    1) salary. *2) brand of the mobile. 3) number* of mobiles *he has sold*.

*Bonus = salary * (%Percentage of brand's bonus)*Number of Mobiles sold*

Brand	(%Percentage of brand's bonus)
Apple	20%
Samsung	15%
Blackberry	10%
Nokia	5%

    Write a program that calculates the amount of bonus for a sales person [Hint: Use the If Then Else statement].