

Name: _____

1. Write a program that allows the user to specify two numbers and then adds, subtracts, or multiplies them when the user clicks on the appropriate button. The output should give the type of arithmetic performed and the result.
2. Suppose automobile repair customers are billed at the rate of \$35 per hour for labor. Also, costs for parts and supplies are subject to a 5% sales tax. Write a program to display a simplified bill. The customer's name, the number of hours of labor, and the cost of parts and supplies should be entered into the program via text boxes. When a button is clicked, the customer's name (indented) and the three costs should be displayed in a list box, as shown in the sample run below:

Customer: John Doe

Hours of labor: 3.5

Cost of parts and supplies: 23.55

Display Bill

Customer	John Doe
Labor cost	\$122.50
Parts cost	\$24.73
Total cost	\$147.23

3. The table below gives the projected 2005 distribution of the U.S. population (in thousands) by age group and sex. Write a program to produce the table shown below. For each age group, the column labeled "%Males" gives the percentage of the people in that age group who are male, and the column labeled "%Females" gives this information about the female population. The last column gives the percentage of the total population in each age group.
Note: Store the information in the table in a text file. For instance, the first *three* lines in the file should contain the following data: Under 25, 51210, 48905.

Projected U.S. population (2005).

Age Group	Males	Females
Under 25	51,210	48,905
25-64	74,169	77,059
65+	15,319	21,051

Display Population Distribution Table

Age group	Males	Females	%Males	%Females	%Total
Under 25	51,210	48,905	51.15 %	48.85 %	34.80 %
25-64	74,169	77,059	49.04 %	50.96 %	52.56 %
65+	15,319	21,051	42.12 %	57.88 %	12.64 %