**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CSI/Chapter 3 – LAB**

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:



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 |

