**SOEN 240/ACMP 222**

**Practical Lab Exercise**

Consider a vending machine that offers the following options:

[1] Get gum

[2] Get chocolate

[3] Get popcorn

[4] Get juice

[5] Display total sold so far

[6] Quit

Design and implement a program that continuously allows users to select from these options. When options 1–4 are selected an appropriate message is to be displayed acknowledging their choice. For example, when option 3 is selected the following message could be displayed:

Here is your popcorn

When option 5 is selected, the number of each type of item sold is displayed. For example:

3 items of gum sold

2 items of chocolate sold

6 items of popcorn sold

9 items of juice sold

When option 6 is chosen the program terminates. If an option other than 1–6 is entered an appropriate error message should be displayed, such as:

Error, options 1-6 only!