Homework Assignment 3 (20 Points)
CSE 100, Spring A 2014
CIDSE, Arizona State University

Please see submission instructions given in the last page

Introduction: This assignment helps you to reinforce the topics discussed in the class including
a) Relational operators, Boolean operators, data comparison
b) Selection
c) Repetition
d) And problem solving using selection and repetition

Important: This is an individual assignment. Please do not collaborate.

Grading policy: We will check

   a) **The correctness of your program/solution**
   b) **Variable naming (self describing)**
   c) **Identification of proper data type**
   d) **Appropriate commenting and Indentation.**

Reading:

Sections Revisit chapter 4 and review selection statements in C++, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.8, 5.9, 5.11, 5.12, 5.13

1.[Soft Drinks Survey] Write a program that performs a survey tally on beverages. The program should prompt for the next person until a sentinel value of –1 is entered to terminate the program. Each person participating in the survey should choose their favorite beverage from the following list:

   1. Coffee
   2. Tea
   3. Coke
   4. Orange Juice

Sample Run:
   Soft Drink Survey
      1. Coffee
      2. Tea
      3. Coke
      4. Orange Juice
      5. Please enter -1 to exit

Please input the favorite beverage of person #1: Choose 1, 2, 3, or 4 from the above menu or -1 to exit the program
4

Soft Drink Survey

    1. Coffee
    2. Tea
    3. Coke
    4. Orange Juice
    5. Please enter -1 to exit

Please input the favorite beverage of person #2: Choose 1, 2, 3, or 4 from the above menu or -1 to exit the program
1

Soft Drink Survey

    1. Coffee
    2. Tea
    3. Coke
    4. Orange Juice
    5. Please enter -1 to exit

Please input the favorite beverage of person #3: Choose 1, 2, 3, or 4 from the above menu or -1 to exit the program
3

Soft Drink Survey

    1. Coffee
    2. Tea
    3. Coke
    4. Orange Juice
    5. Please enter -1 to exit

Please input the favorite beverage of person #4: Choose 1, 2, 3, or 4 from the above menu or -1 to exit the program
1

Soft Drink Survey

    1. Coffee
    2. Tea
    3. Coke
    4. Orange Juice
    5. Please enter -1 to exit

Please input the favorite beverage of person #5: Choose 1, 2, 3, or 4 from the above menu or -1 to exit the program

Soft Drink Survey

1. Coffee
2. Tea
3. Coke
4. Orange Juice
5. Please enter -1 to exit

Please input the favorite beverage of person #6: Choose 1, 2, 3, or 4 from the above menu or -1 to exit the program
-1

The total number of people surveyed is 5. The results are as follows:
Beverage Number of Votes
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Coffee 3
Tea 0
Coke 1
Orange Juice 1

Submit your homework by following the instructions below:
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• Go to the course web site (my.asu.edu), and then click on the on-line Submission tab.

• Submit your **Assignment3.cpp** file on-line to Basket Homework#3 in DropBox.

NO LATE ASSIGNMENTS WILL BE ACCEPTED