

CSE 205: Fall 2017

In-class activity #1- 10 Points

Due: on Wednesday 23rd at the End of the Class Time(no late submission will be accepted)

Name:.....

Option 1: 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:

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

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

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

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

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

1

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

Coffee	3
Tea	0
Coke	1
Orange Juice	1

- a) Design and clearly write the algorithm to solve the above problem
- b) Write a complete java program that implements your algorithm above