**Assignment #4:**

1. Write a program (main() method) that reads an arbitrary number of integers that are in the range of 0 to 50 inclusive and counts how many occurrences of each are entered. After all inputs have been processed, print only the values that have an occurrence of greater than zero. Also, print the number of occurrences next to the value. [use arrays and indexing ]

e.g.

Enter a value between 0 and 50 [ -1 to end ]: 10

Enter a value between 0 and 50 [ -1 to end ]: 2

Enter a value between 0 and 50 [ -1 to end ]: 30

Enter a value between 0 and 50 [ -1 to end ]: 10

Enter a value between 0 and 50 [ -1 to end ]: 3

Enter a value between 0 and 50 [ -1 to end ]: 10

Enter a value between 0 and 50 [ -1 to end ]: 30

Enter a value between 0 and 50 [ -1 to end ]: 2

Enter a value between 0 and 50 [ -1 to end ]: -1

Output:

The value of 2 has 2 occurrences.

The value of 3 has 1 occurrences.

The value of 10 has 3 occurrences.

The value of 30 has 2 occurrences.

1. Write a program (main() method) that reads, from the terminal (screen), sequence of names and postal (ZIP) codes for individuals. Store the data in an object designed to store a first name (String), last name (String), and postal code (int). Assume each line of input will contain two strings followed by an integer value, each separated by a tab character. Users will type “quit” when they have completed input entry. Print the output of the input values by the user to the screen.

[use ArrayList to store object]

[Note:

1. create an object that will store the first name (String), last name (String), postal code (int)
2. use ArrayList to store object]

C:\Enter Input {first\_name<tab>last\_name<tab>zip\_code}:

Bill Smith 10002

Enter Input {first\_name<tab>last\_name<tab>zip\_code}:

Jane Dome 11354

Enter Input {first\_name<tab>last\_name<tab>zip\_code}:

1. Revise #2 problem to read a list of inputs from a file. The input file will contain two strings followed by an integer.

Input file:

Bill Smith 10002

Jill Ryan 11120

Robert Johnson 11122

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