65 pts

Name 1: _____

Name 2: _____

Class Day / Time: _____

Due Date: _____

Lab #4: Introduction to Arrays

Write a program that reads in a list of 10 names as input from a user and places them in an array. The program will prompt for a name and return the number of times that name was entered in the list. The program should output total number of instances of that name and then prompt for another name until the word **done** is typed in.

For this lab, use the string data type as opposed to char to store the names (i.e. don't use c-strings).

Turn in (in this order stapled)
1 – This sheet
2 – Your output
3 – Listing of code

Expected Input/Output:

Enter name #1: Joe
Enter name #2: Sally
Enter name #3: Joe
Enter name #4: Sue
Enter name #5: Sally
Enter name #6: Adam
Enter name #7: Joe
Enter name #8: Adam
Enter name #9: Adam
Enter name #10: Joe

Who do you want to search for (enter done to exit)? Joe
There are 4 instances of the name Joe.

Who do you want to search for (enter done to exit)? Sally
There are 2 instances of the name Sally.

Who do you want to search for (enter done to exit)? Adam
There are 3 instances of the name Adam.

Who do you want to search for (enter done to exit)? Sue
There is one instance of the name Sue.

Who do you want to search for (enter done to exit)? John
John's name does not exist in this list.

Who do you want to search for (enter done to exit)? done

Thank you for using my program.

v.s.11