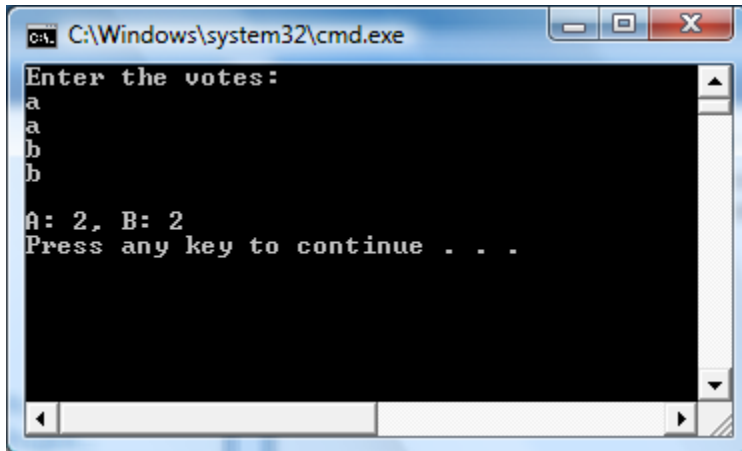


Assignment 2

1. **Switch statement.** Create an application that tallies votes. Voters can vote for one of four candidates, whose names you pick. The user enters the names one per line, entering a blank line when there are no more votes to tally. The output is a table that shows the total votes for each candidate. Do something reasonable with input that isn't one of the four candidates.

My solution has 21 lines of code, but doesn't count votes for anything other than the four candidates. Here's my output from an election with only 2 candidates:



```
C:\Windows\system32\cmd.exe
Enter the votes:
a
a
b
b
A: 2, B: 2
Press any key to continue . . .
```

2. **While statement.** Write a console application program that plays “guess the number”. Your program should pick a random number between 0 and 1000. When the user enters a guess, your program should the user give a hint on whether the guess is too high or too low. When the user finally guesses the correct answer, reward the user with “Congratulations!” or some other message. For an example of a “guess the number” game, go to <http://www.funbrain.com/guess/>. My solution has 25 lines of code.
3. **Optional. Research.** Use the [DateTime](#) structure and [composite formatting](#) in an application that you specify. Your application must include one property or one method of the DateTime class, and print at least one sentence using composite formatting. Write a brief description of your application in a comment in the source file. The goal of this exercise is to experiment.