Vowels.java

Background & Assignment:

1. Vowels.java will do two things to an input file: count the quantity of different vowels in it and change the blank spaces to tildes (~). The input source file, `poetry.txt` is a separate link and should be downloaded in addition to viewing these specs. This assignment will NOT have a separate driver - all code should be within the `main()` method in `Vowels.java`. I will run your program as submitted (with no separate driver).

2. You should not assume anything about the contents of the file. Assume it could be any text file of words. Use a loop to read from this file, line by line, until the end of the file is reached.

3. Use the methods in the Scanner class associated with the String class - `hasNext() and nextLine()` to complete three tasks:
   a) Print the original text document as written to the monitor. Make certain to line-wrap in the same places as the source file does.
   b) replace all blank spaces with the tilde character and output it to an output file named `dentist.txt` **with your name preceding it as follows.** Because I will run all of your programs consecutively, if you all name them exactly 'dentist.txt' each one will override the previous output. In your code, name your output file as you do your source code when you upload it to me. Example: `'SMITH_JOE_dentist.txt'` would be the output file identifier for student Joe Smith. Hard code your program so that it always runs this way – no need to change at the time you upload.
   c) find the quantity of each of the five vowels in the file and output it to your output file. Make sure your output is neat and self-explanatory.

Important:

- use `"\r\n"` to wrap to a new line for output to a text file. `"\n"` works for output to your monitor, but will not wrap properly to a new line in an output text file on my computer.
- to check for an empty space use `if(ch == ' ')`