Practice Assignment - Strings

1. ***The Amazing Sentence Machine***

Create a program that will evaluate user input in the following ways. For a-d, do in one program. For e and f, make separate programs.

1. Display the input in all capital letters
2. Display the input in all lower-case letters
3. Display the input with all a’s converted into e’s
4. Find the first location of a particular word that the user enters
5. Determine the number of words input
6. Determine the number of sentences input

2. ***The Amazing Sentence Machine 2.0***

Create a program that will allow the user to input a sentence. The program will then output every other character in the sentence.

3. ***The Amazing Sentence Machine 3.0***

Create a program that will allow the user to input a sentence and a number. As long as the number is less than the number of letters in the sentence, the program will output every nth character in the sentence.

4. ***The Amazing Sentence Machine 4.0***

Create a program that will allow the user to input a sentence, and a word. Determine the total number of times the word is found in the sentence. If the word is not determined to be found in the sentence, then output an appropriate message.

5. ***Mirror Mirror On the Wall...***

Create a program that will input a sentence and then output the sentence in reverse order.

6. ***Students are complaining!! (What else is new??)***

Apparently, students are upset that it takes too long to write notes in class. You have been asked to create a program that will shorten their notes by removing the vowels from every word or sentence that is input and then output the shortened result. The program will continue to shorten words until an ‘\*’ is input to end the program

Example:

**Giraffe**

Grff

**Balloons**

Bllns

**Hello there mister!**

Hll thr mstr!

**\***