**Lab Exercise One - CIS\*2430 (Fall 2020)**

* Create a program that allows the user to store up to 10 sentences in an array. If the user tries to enter a sentence when the array is full, the program should display a warning message and reject the given sentence.
* The program should use a command loop that continues asking the user to select an option and perform the related function until the user chooses to end the program.
* For the search-related options, the user should provide a search word and the program should print **all** sentences that **contain** the search word.
* The menu should resemble the following and the user can enter a number for the corresponding option:  
    
  **(1)** Enter a full sentence.  
  **(2)** Print out all sentences entered thus far in the given order.  
  **(3)** Print out the number of *sentences* that have been entered thus far.  
  **(4)** Print out all *sentences* entered thus far in the reverse order.  
  **(5)** Print out the number of characters in all *sentences* combined.  
  **(6)** Calculate the total number of vowels contained in all stored sentences.  
  **(7)** Perform search for a given word using case *insensitive comparisons*.   
  **(8)** Perform search for a given word using case *sensitive* comparisons.  
  **(9)** End program.

**\*** A word is defined as a discrete set of characters, separated from other words by blank space or punctuation

**\*** Spaces do count as characters

**\*** Searches will only be performed for one word at a time

**MARKING RUBRIC  
  
10** Marks in total.

**1** mark for a working command loop (no functionality for options)

**1 mark each** for options (1) to (4)

**1 mark each** for options (5), (7), and (8)

**2** marks for option (6)