CSCI 1470.3
Fall 2025
Homework #2

[1] Open Python IDLE. Execute the following statements one by one:

```
s = "This is a very good day."
print(s)
print(s.upper())
print (s.lower())
print (len(s))
print(s.len())
print(upper(s))
```

Save the shell session in a log file named h2q1.log (which is a .txt file). Upload h2q1.log to Canvas.

Study the output of these statements.

[2] Write a simple Python program h2q2.py that prompts the user to read in a string. It prints the string, its length, the string in upper case and the string in lower case.

For example, consider that the user enters the string "It is a very, very good day."

H2q2.py prints:

```
Your string: This is a very, very good day.
   length of the string 30
   in upper case:  THIS IS A VERY, VERY GOOD DAY.
   in lower case:  this is a very, very good day.
```

Here is a shell session show how the program executes.

```
C:\some_path>python h1.py
Please enter a string -> This is a very, very good day.
Your string: This is a very, very good day.
   length of the string: 30
   in upper case: THIS IS A VERY, VERY GOOD DAY.
   in lower case: this is a very, very good day.
```

You should just add code in this skeleton of h2q2.py (removing the trailing .txt when you download).

The skeleton contains:

```
#    other supportive code.

def main():
    #  Put your code for h1.py as the main body of your program here.




    #  Your code ends here.

if __name__ == "__main__":
    main()
```

Do not worry about the meaning of the other parts of the program skeleton for the time being. Your program should be executed by the TA using:

python h2q2.py

Upload the two files (h2q1.log and h2q2.py). You probably will need to save h2q2.py as h2q2.py.txt to upload it to Canvas.