Evaluation

Test plan and testing

# Issues:

Option 4 file keep data of 1 query (rewrite every time choose a new option)

Option 1 in menu ouput the wrong data if the last month of the last year entered

# Program functions:

Main() call:

Create data structure Vector<> windlog

Readfile() add from file into windlog

Menu()

ReadFile()make changes to windlog

Call SplitString() that process istream , convert into suitable type and add into struct

Menu() has 5 options

When input as either 1,2,3,4,5 then Menu() call

menuOption1() that is a simple Process\_data() function

Process\_data()

menuOption1() take year and month as input and return average of that month of year as if found

Process\_data() is a more complicated menuOption1()

It has different parameter based on requirements such as what variables to work with or what is inputted, is there file output

Kmh\_to\_Ms() take int and convert from Km/h to M/s

Wh\_to KWh() take float and change from Wh to KWh

Print\_partData() to show 30 rows in vector to test data read correctly

unit\_testing\_file.cpp

File is an irrelevant file that do not need to run program but keep all the test work as the program changes

Unit\_test1()

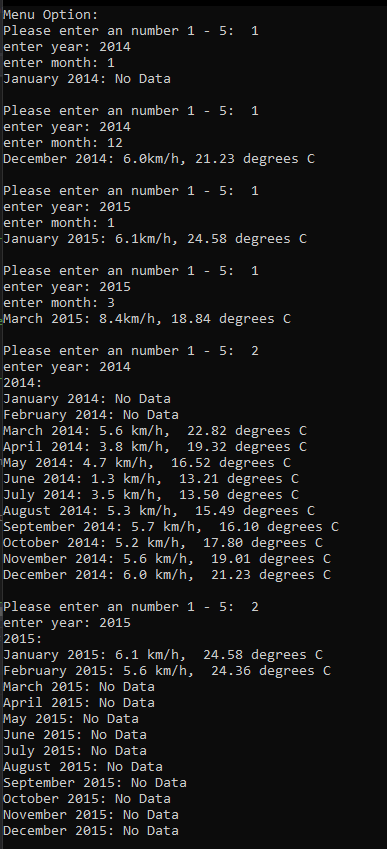
Unit\_test2()

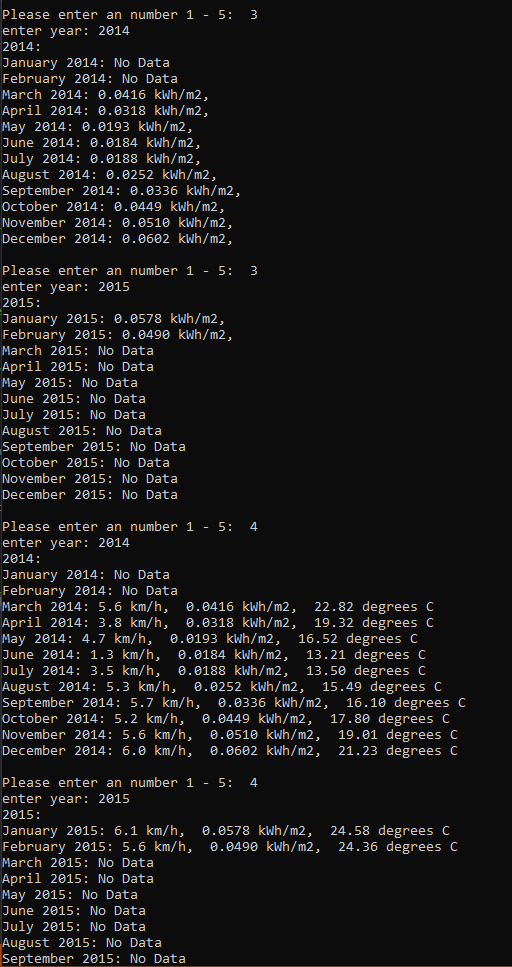
Unit\_test3()

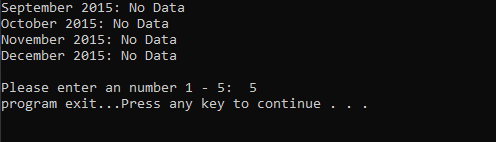
Unit\_test4()

Unit\_test5()

# Testing output







In WindTempSolar.csv:

