**Cheolhong Ahn**

**Professor Eivazi**

**2/11/2020**

**CMSC 203**

**Assignment 1 Design**

**Pseudo Code**

Declare variable t for temperature in Fahrenheit

Declare variable v for wind speed.

Input Fahrenheit temperature between -45 and 40 inclusive.

Input Wind speed between 5 and 60 inclusive.

Evaluate wind chill = wind chill (oF) = 35.74 + 0.6215t - 35.75(v0.16) + 0.4275t(v0.16)

Print wind chill result

Print programmer name

**Test Case**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Temp:  30  Wind speed:  20 |  | 17.361783756466327 | 17.361783756466327 | Yes |
| 2 | Temp:  -45  Wind speed:  5 |  | -63.365094523 | -63.36509452295255 | Yes |
| 3 | Temp:  40  Wind speed:  60 |  | 24.6926763513 | 24.692676351298985 | Yes |
| 4 | -50  4 |  | Error message | “Please enter valid value of temperature(F) between -45 to 45 and windspeed betwee 5 to 60(mph)” | Yes |