**CMSC 203 ASSIGNMENT 1**

**PSEUDOCODE AND TEST TABLE**

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Windchill Calculator Pseudocode:

1. Declare float variable t for temperature.
2. Declare float variable v for wind speed.
3. Declare float variable w for windchill.
4. Prompt the user to enter Temperature between -45 and 40 degree Fahrenheit.
5. Prompt the user to enter Wind Speed between 5 and 60 miles per hour.
6. Use the formula to calculate the Windchill

W = 35.74 + 0.6215 T - 35.75 (V^0.16) + 0.4275 T (V^0.16)

1. Print Windchill.
2. Print Programmer Name.

Test Template:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Temp:  30  Wind chill:  20 | Temp:  30  Wind chill:  20 | 17.361783756466327 | 17.361783756466327 | YES |
| 2 | Temp:  20  Wind chill:  5 | Temp:  20  Wind chill:  5 | 12.98122853 | 12.981228533315585 | YES |
| 3 | Temp:  38  Wind chill:  56 | Temp:  38  Wind chill:  56 | 22.215790792846153 | 22.215790792846153 | YES |