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CMSC 203

Assignment 1 Pseudo Code

Create class WindChill

Create variable windSpeed

Create variable temperature

Create variable windChill

Ask user to type in temperature in Fahrenheit between -45 and 40, assign to temperature

Ask user to type in wind speed in MPH between 5 and 60, assign to windSpeed

Calculate the windChill using the formula Wind Chill (oF) = 35.74 + 0.6215T - 35.75(V0.16) + 0.4275T(V0.16)

Show users the result of windChill

Print out the programmer’s name

Test plan

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| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Temp:  30  Wind chill:  20 |  | 17.361783756466327 |  |  |
| 2 | Temp:  -15.5  Wind chill:  35.3 |  | -48.842359110042835 |  |  |
| 3 | Temp:  -9.3  Wind chill:  22.8 |  | -35.55509110244696 |  |  |