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CMSC 203

Pseudocode & Test Plan Table

Wind Chill Calculator

Pseudocode:

1. Print “Wind Chill Calculator”
2. Ask user for the temperature between -45 and 40
3. Assign user input to int variable Temp
4. Ask user for the wind speed between 5 and 60
5. Assign user input to int variable Speed
6. Plug in variables to 35.74 + 0.6215(Temp) - 35.75(Speed0.16) + 0.4275Temp(Speed0.16)
7. Assign the result to variable windChill
8. Print the wind chill in Fahrenheit
9. Print programmer name

Test Plan Table

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| --- | --- | --- | --- | --- | --- |
| Test Case # | Input | Actual Input | Expected Output | Actual Output | Did the test pass? |
| 1 | 38 , 21 | 38, 21 | 27.61012062856312 | 27.61012062856312 | Yes |
| 2 | 12.5 18.7 | 12.5 18.7 | -5.071250953622425 | -5.071250953622425 | Yes |
| 3 | -45 , 5 | -45 , 5 | -63.36509452295255 | -63.36509452295255 | Yes |