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CMSC 203

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Pseudo code

Declare an double variable called temp

Declare an double variable called speed

Declare an double variable called windChill

Print header of the application

Ask user to input the temperature in Fahrenheit in -45 to 40

Store temperature in temp

Ask user to input wind speed in 5 to 60

Store wind speed in speed

windChill = 35.74 + 0.6215\*temp-35.75\* speed^0.16 + 0.4275\*temp\* speed^0.16

print windChill

print programmer’s name

close scanner

Test table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Temp:  30  Wind speed:  20 | Temp:  30  Wind speed:  20 | 17.361783756466327 | 17.361783756466327 | Yes |
| 2 | Temp:  -45  Wind speed:  5 | Temp:  -45  Wind speed:  5 | -63.36509452295255 | -63.36509452295255 | Yes |
| 3 | Temp:  39.9  Wind speed:  59.9 | Temp:  39.9  Wind speed:  59.9 | 24.557822639087263 | 24.557822639087263 | Yes |