|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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:  10 | Temp:  20  Wind chill:  10 | 8.854038235710776 | 8.854038235710776 | yes |
| 3 | Temp:  -1  Wind chill:  30 | Temp:  -1  Wind chill:  30 | -27.223101245704893 | -27.223101245704893 | yes |

Pseudocode:

Declare the double variable names called t, v, and WIND\_CHILL.

Display the header

Ask the user to enter a number in F degrees

Get the input for the temperature

Ask user to enter a number for wind speed

Get the input for the wind speed

Check the temperature and wind speed if they are met

If temperature and windspeed inputs are invalid: remind the user to try again.

Otherwise,

The calculation will proceed: WIND\_CHILL = 35.74 + 0.6215 \* t - 35.75 \* (v^0.16) + 0.4275 \* t \* ( v ^ 0.16)

Display the result

Display programmer’s name