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START

DISPLAY heading

READ temperature

READ wind speed

COMPUTE wind chill as 35.74 + 0.6215T - 35.75(V0.16) + 0.4275T(V0.16), where V is wind speed and T is temperature

DISPLAY wind chill

DISPLAY programmer name

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Temp:  30  Wind chill:  20 | 17.361783756466327 | 17.361783756466327 | Yes |
| 2 | Temp:  -9.3  Wind chill:  22.8 | -35.55509110244696 | -35.55509110244696 | Yes |
| 3 | Temp:  0  Wind chill:  22.5 | -23.09357636894822 | -23.09357636894822 | Yes |