Anh Tu Pham

CMSC 203

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**Assignment 1 Design**

1. Pseudocode:

This program calculates the wind chill temperature in degrees Fahrenheit.

Begin

Declare a double variable num1,

Declare a double variable num2,

Declare a double variable num3,

Declare a double variable num4,

Declare a double variable num5,

Declare a double variable num6,

Declare a double variable called windSpeed,

Declare a double variable called tempFah,

Enter the temperature in Fahrenheit

Enter the wind speed

Calculate Wind Chill

(Wind Chill = 35.74 + 0.6215T - 35.75(V0.16) + 0.4275T(V0.16) )

Print Wind Chill temperature

Print programmer name

End.

1. Test Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Temp:  30  Wind chill:  20 | 30  20 | 17.361783756466327 | 17.361783756466327 | Yes |
| 2 | Temp:  40  Wind chill :  60 | 40  60 | 24.69267635 | 24.69267635 | Yes |
| 3 | Temp:  25  Wind chill:  45 | 25  45 | 5.194749539 | 5.194749539 | Yes |