package Project3;

import java.util.Scanner;

import java.lang.Math;

//Written by: Nick Lewandowski

//Program asks user to enter the temperature and wind speed, then calculates the wind chill index

public class WindChill {

public static void main(String [ ] args) {

double temp, windspeed, index, exponent1 ;

Scanner input = new Scanner(System.in);

System.out.print("Enter temperature (Fahrenheit): ");

temp = input.nextDouble();

System.out.print("Enter wind speed(mph): ");

windspeed = input.nextDouble();

exponent1 = Math.pow(windspeed, 0.16);

index = (35.74 + (0.6215 \* (temp)) - (35.75 \* (exponent1)) + (0.4275 \* (temp) \* (exponent1)));

System.out.print("The wind chill index is: " + index );

}

}

"C:\Program Files\Java\jdk-9.0.4\bin\java" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2017.3.4\lib\idea\_rt.jar=53627:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2017.3.4\bin" -Dfile.encoding=UTF-8 -classpath D:\School\Programming\Project3\out\production\Project3 Project3.WindChill

Enter temperature (Fahrenheit): 5.3

Enter wind speed(mph): 6

\The wind chill index is: -5.567068455881625

Process finished with exit code 0