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Lab 10

Seat 29

#this program calculates temp with wind chill

try:

temp = eval(input("Enter the temperature in Fahrenheit "))

if(temp < -58):

raise ValueError("The temperature has to be above -58 for this to be accurate")

if(temp > 41):

raise ValueError("The temperature has to be below 41 for this to be accurate")

wSpeed = eval(input("Enter the wind speed in miles per hour "))

if(wSpeed < 2):

raise ValueError("The wind speed has to be above or equal to 2mph for this to be accurate")

windChill = 35.74 + 0.6215 \* temp - 35.75 \* wSpeed\*\*.16 + .4275 \* temp \* wSpeed\*\*.16

print("The wind chill index is",round(windChill,5))

except NameError:

print("You have entered a letter where you should have entered a number")

except ValueError as excpt:

print("You have entered incorrect data. Read the prompt and type the value inside the bounds, then hit enter")