**ASSIGNMENT 2**

Build a python code, Assume you get temperature and humidity values (generated with random function to variable) and write a condition to continuously detect alarm in case of high temperature.

**Program:**

import random

import winsound

temperature= random.randrange(0,100)

print(temperature)

if(temperature>60):

print("HIGH TEMPERATURE")

#print('\a')

winsound.Beep(4460, 10000)

else:

print("NORMAL TEMPERATURE")

difference=random.randint(3,8)

dewpoint=temperature-difference

print("dewpoint=",end=" ")

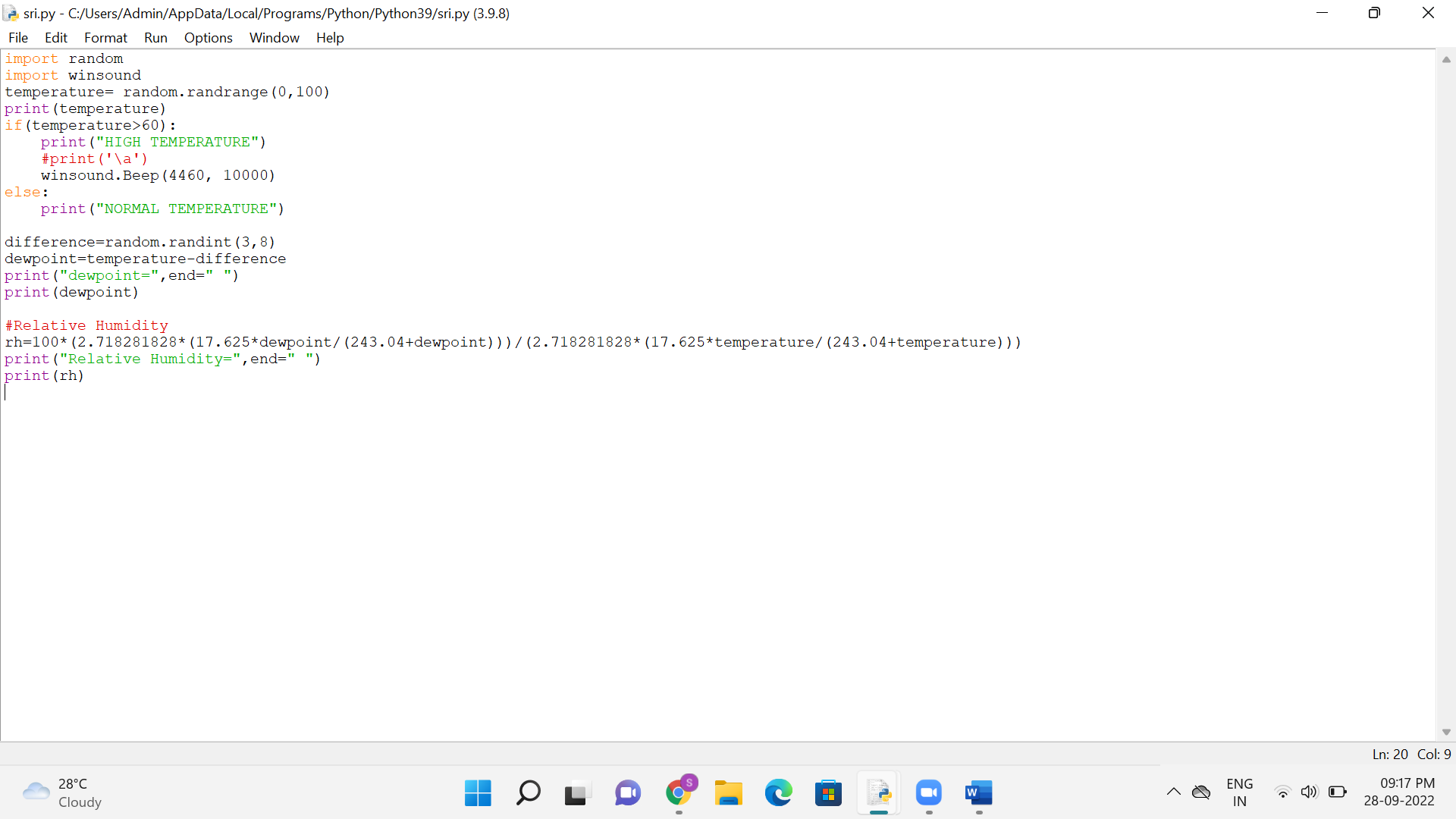
print(dewpoint)

#Relative Humidity

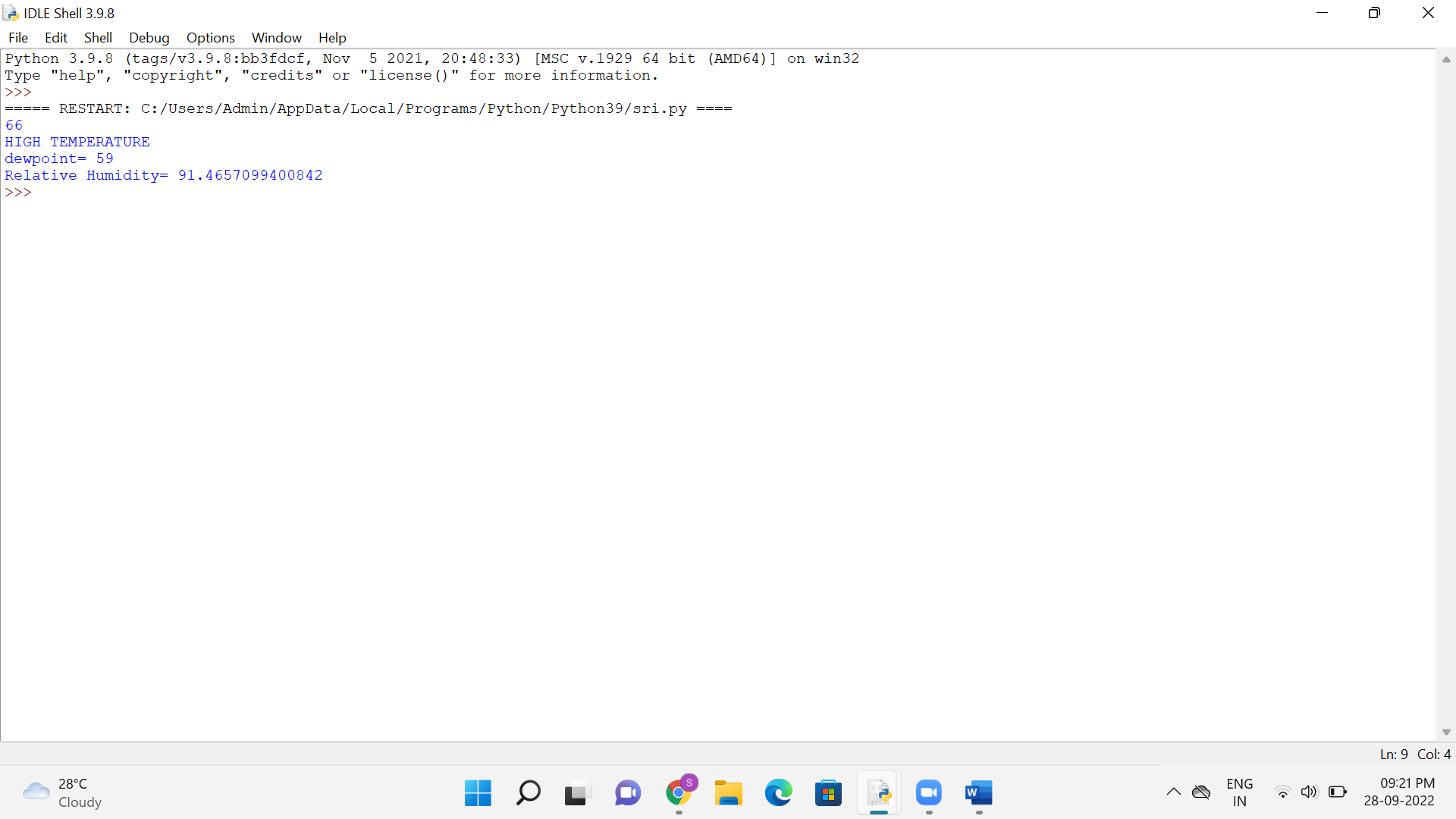
rh=100\*(2.718281828\*(17.625\*dewpoint/(243.04+dewpoint)))/(2.718281828\*(17.625\*temperature/(243.04+temperature)))

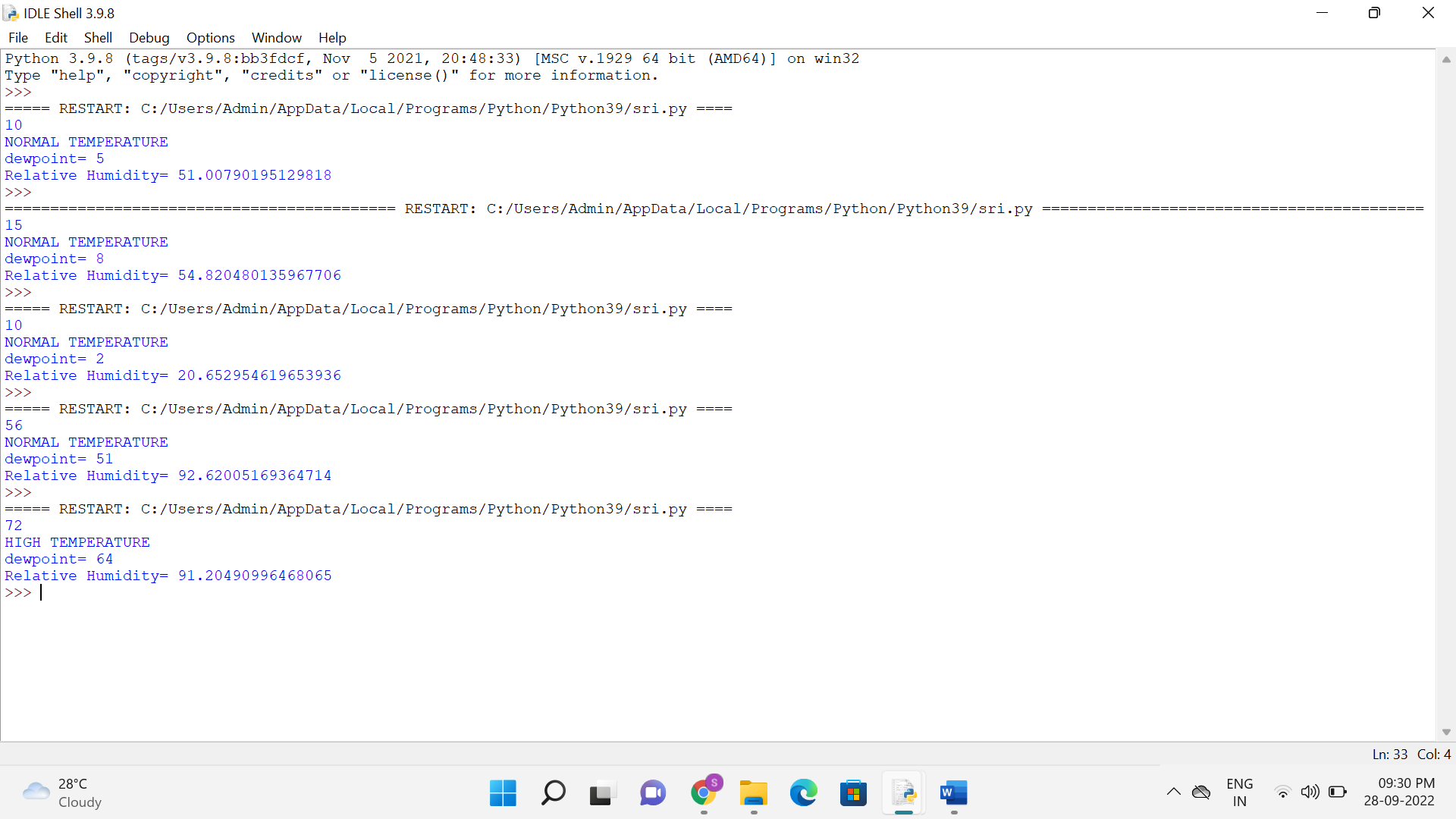
print("Relative Humidity=",end=" ")

print(rh)



**Output:**





**Drive Link:**

https://drive.google.com/file/d/10WCMociekytmcwaZg-poDnsHbiihF4qc/view?usp=sharing