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ASSIGNMENT 2

PYTHON PROGRAM FOR TEMPERATURE AND HUMIDITY

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**CODE:**

Python Program:-

import random

for i in range(0,17):

temp=random.randint(25,100)

hum=random.randint(55,100)

if temp > 80 and hum < 90 :

print("HIGH TEMPERATURE ",temp)

elif hum > 90 and temp > 80 :

print("HAZARD DETECTED WITH TEMPERATURE : %i AND HUMIDITY : %i" %(temp,hum))

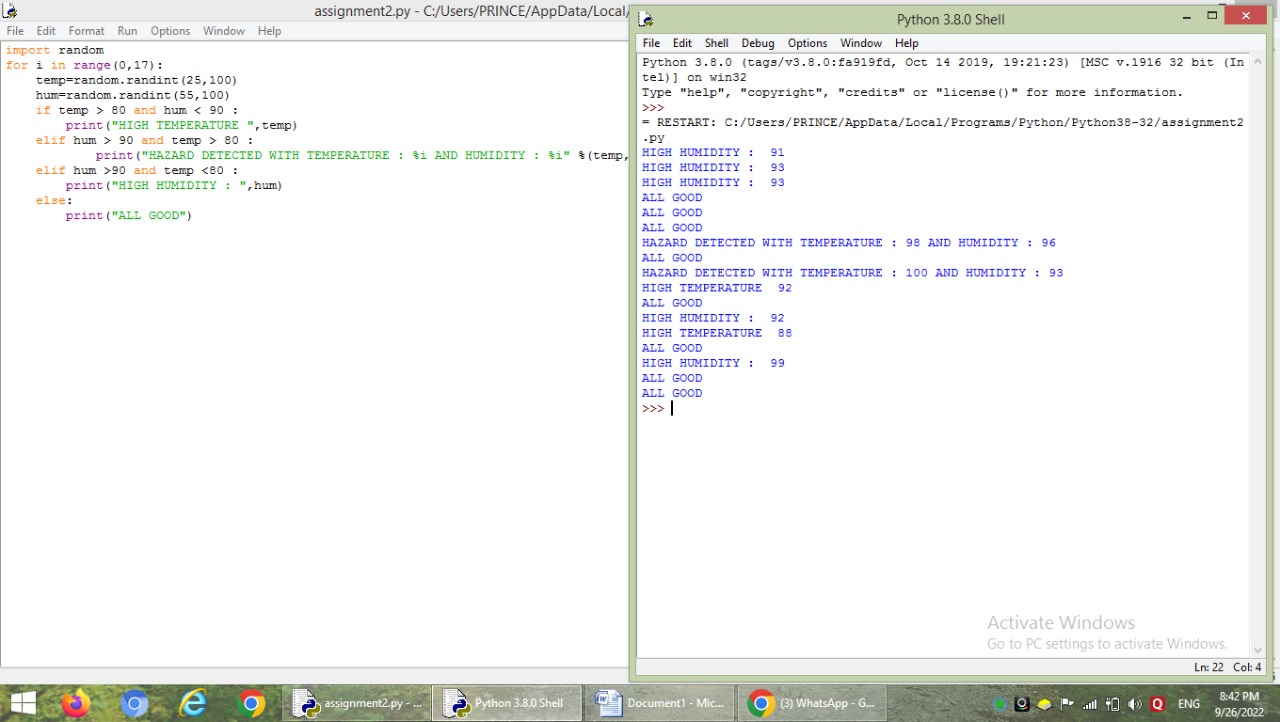
elif hum >90 and temp <80 :

print("HIGH HUMIDITY : ",hum)

else:

print("ALL GOOD")

OUTPUT:



Description:

Here we use random function used to generate the integer value of temperature and humidity within the given limit.A threshold value is set for humidity and temperature.If the temperature and humidity value is high the “HAZARD DETECTED “ is printed with the value of temperature and humidity.Else “ALL GOOD “is printed.