**Assignment 2**

**Temperature and humidity monitoring using python**

**Python code:**

import random

def tempMonitor():

min\_temp=15

max\_temp=25

min\_hum=30

max\_hum=50

temp = random.randint(14,26)

humidity = random.randint(29,51)

if ((temp>=min\_temp)and(temp<=max\_temp) and (humidity>=min\_hum) and (humidity<=max\_hum)):

print("Temperature and Humidity is optimum")

tempMonitor()

else:

if(temp<min\_temp):

print("Temperature is too Cold:"+ str(temp))

if(humidity<min\_hum):

print("Humidity is too Low:"+ str(humidity))

if(temp>max\_temp):

print("ALERT : Temperature is too Hot:"+ str(temp))

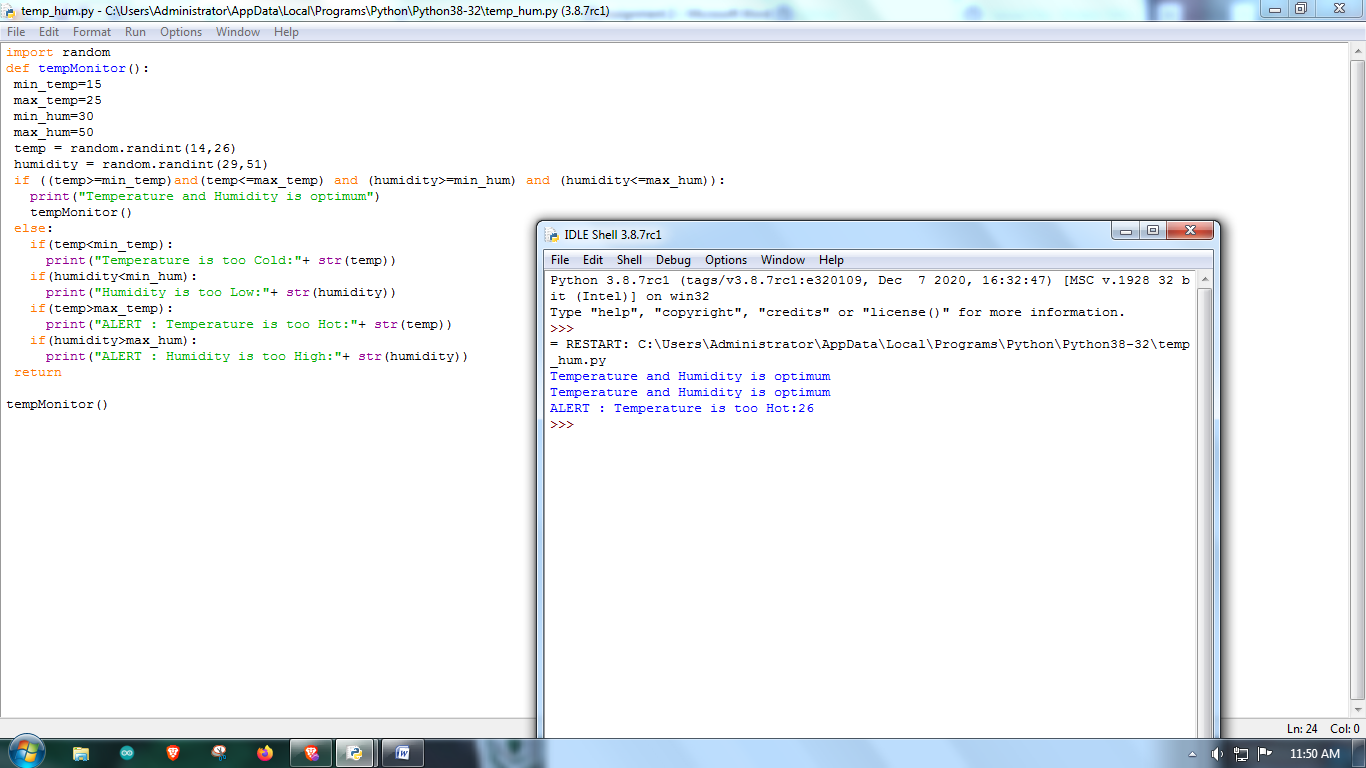
if(humidity>max\_hum):

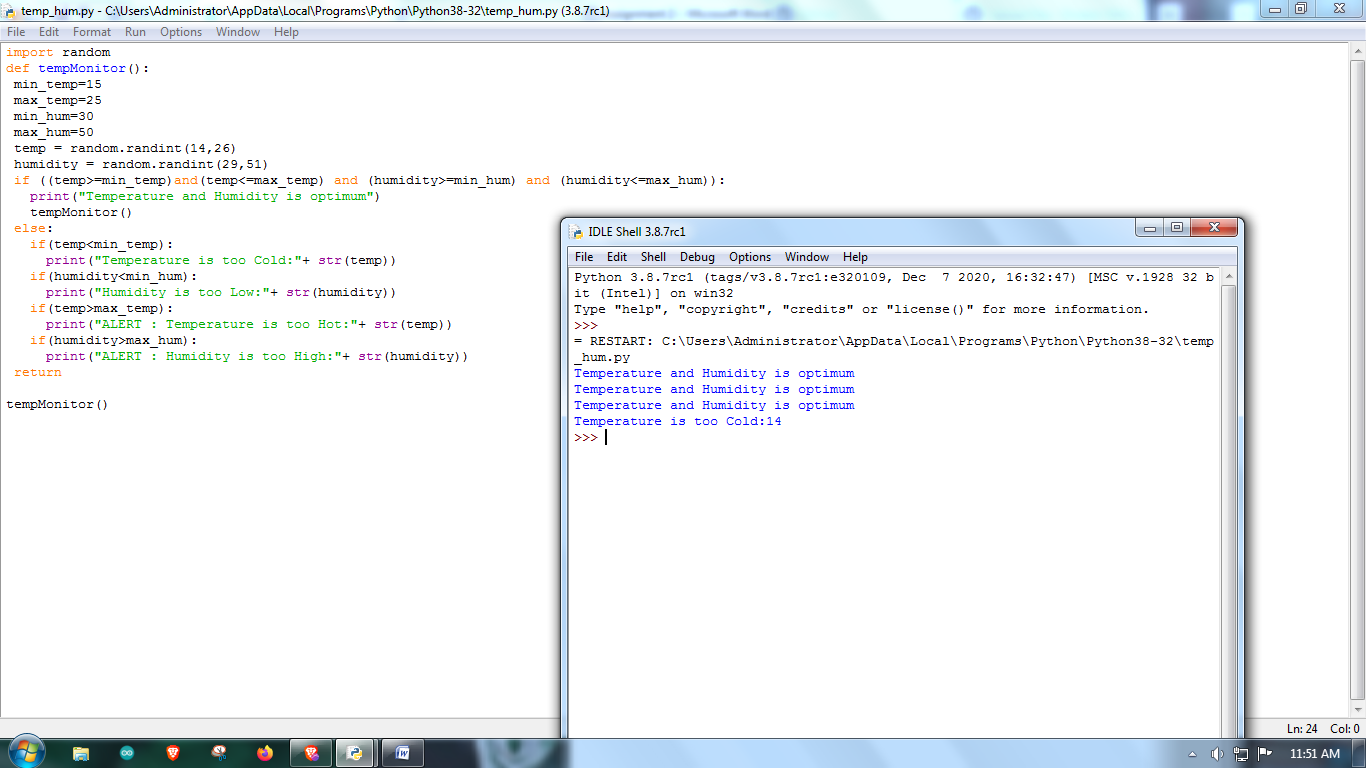
print("ALERT : Humidity is too High:"+ str(humidity))

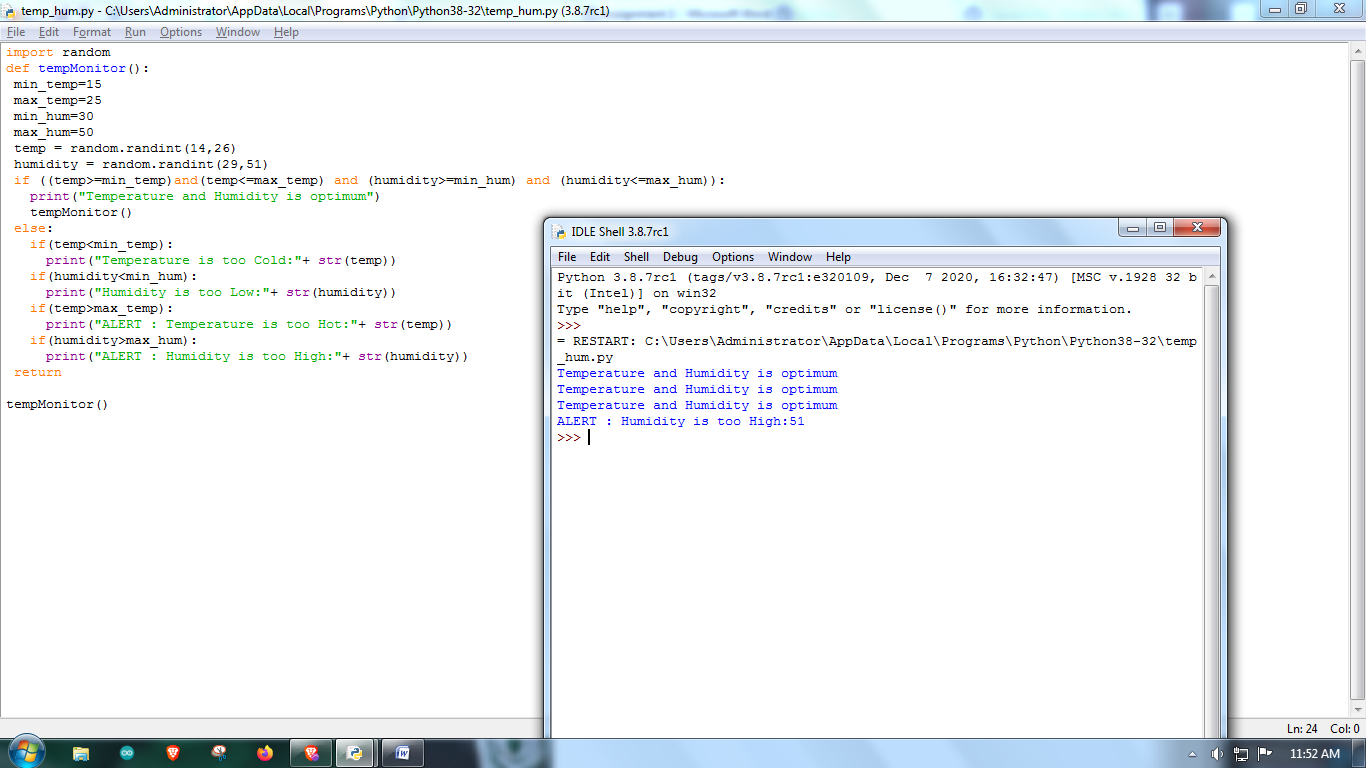
return

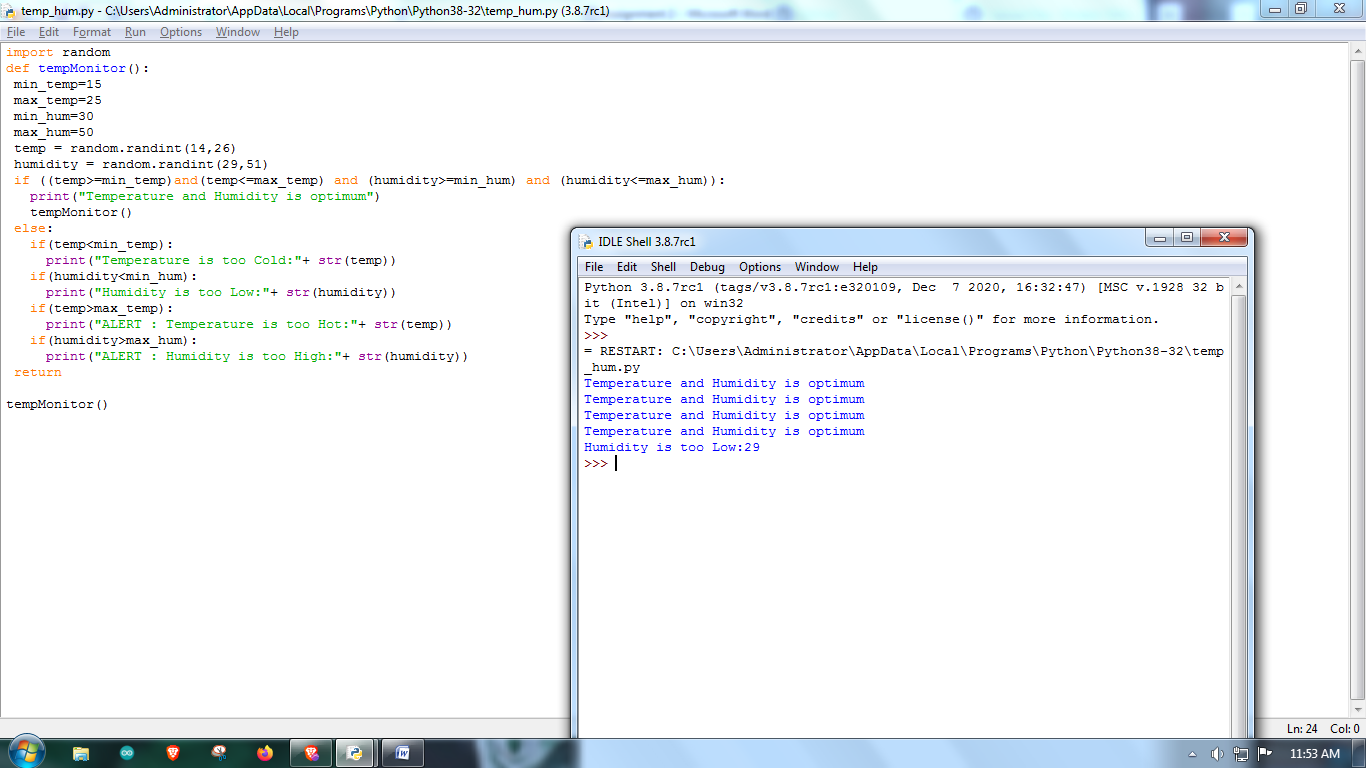
tempMonitor()

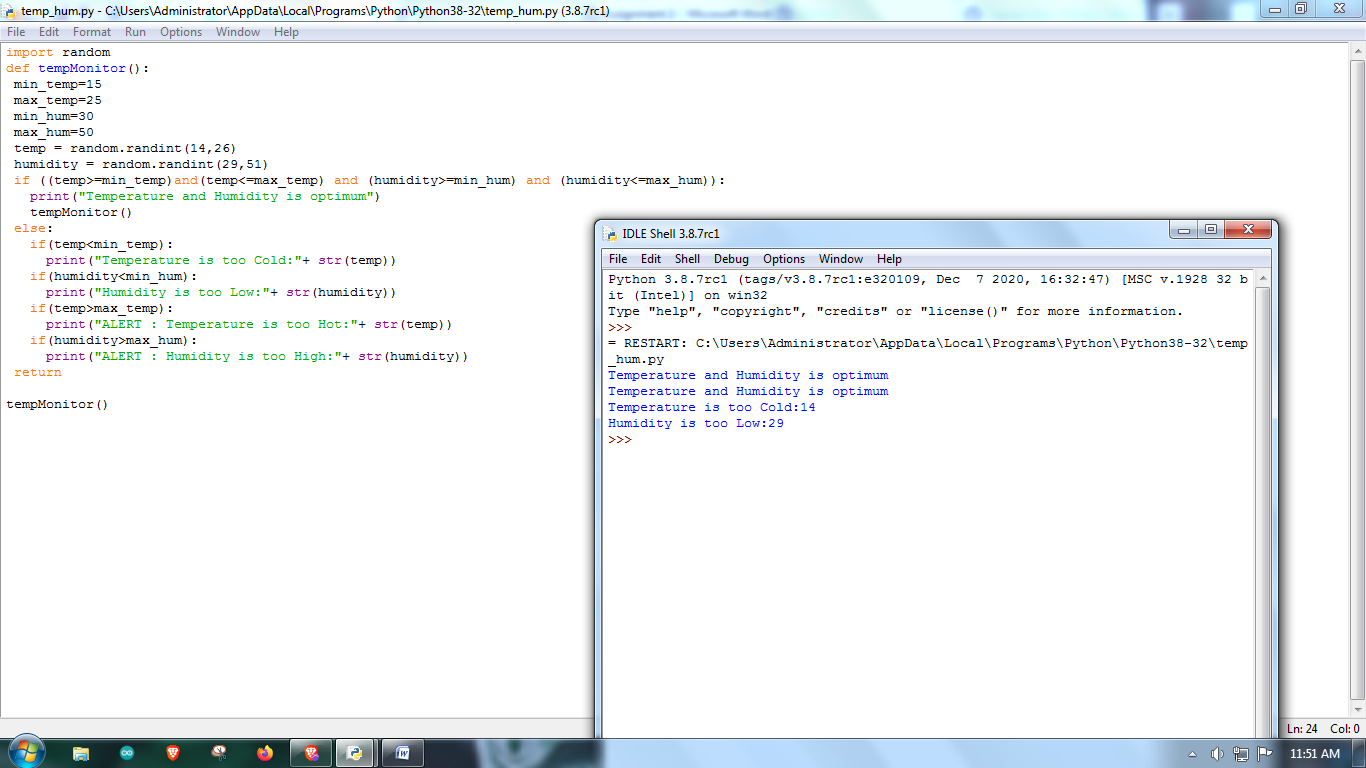
**IDLE OUTPUT:**

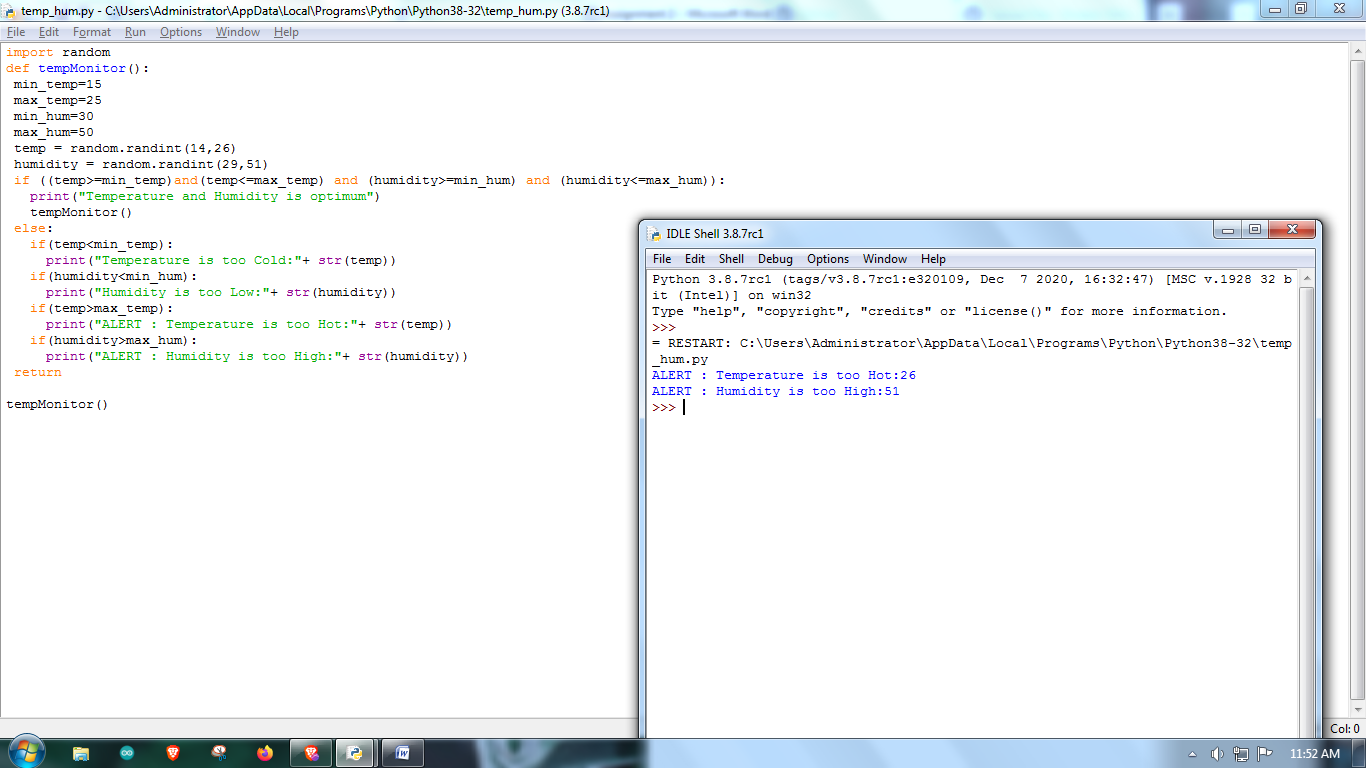
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**By**

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