Assignment 2

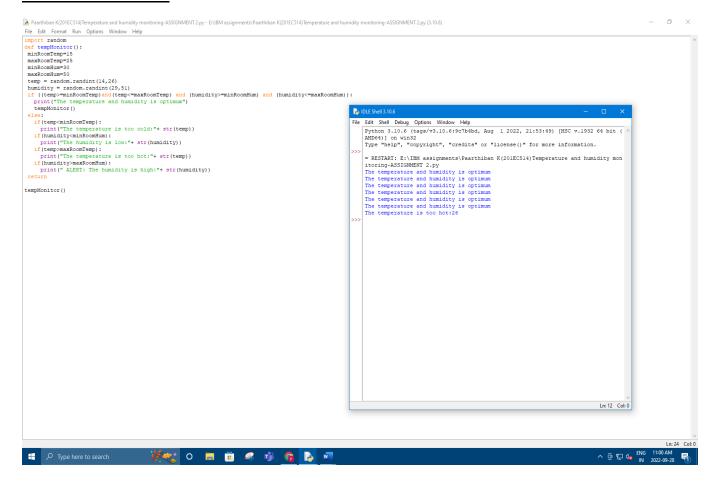
Temperature and humidity monitoring using python

Python code:

```
import random
def tempMonitor():
minRoomTemp=15
maxRoomTemp=25
minRoomHum=30
maxRoomHum=50
temp = random.randint(14,26)
humidity = random.randint(29,51)
if ((temp>=minRoomTemp)and(temp<=maxRoomTemp) and (humidity>=minRoomHum) and
(humidity<=maxRoomHum)):
 print("The temperature and humidity is optimum")
 tempMonitor()
else:
 if(temp<minRoomTemp):</pre>
  print("The temperature is too cold:"+ str(temp))
 if(humidity<minRoomHum):
  print("The humidity is low:"+ str(humidity))
 if(temp>maxRoomTemp):
  print("The temperature is too hot:"+ str(temp))
 if(humidity>maxRoomHum):
  print(" ALERT: The humidity is high:"+ str(humidity))
return
```

tempMonitor()

IDLE OUTPUT:















Ln: 10 Col: 0

