Assignment 2

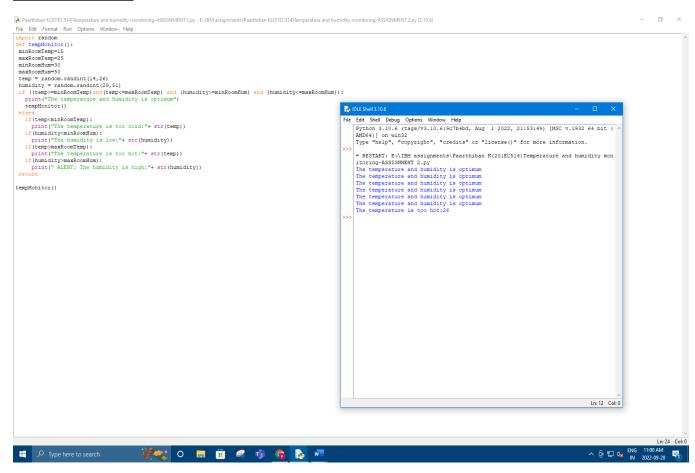
Temperature and humidity monitoring using python

Python code:

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

tempMonitor()

IDLE OUTPUT:















Ln: 10 Col: 0

