Assignment 2:

IOT Enabled Smart Farming Application"

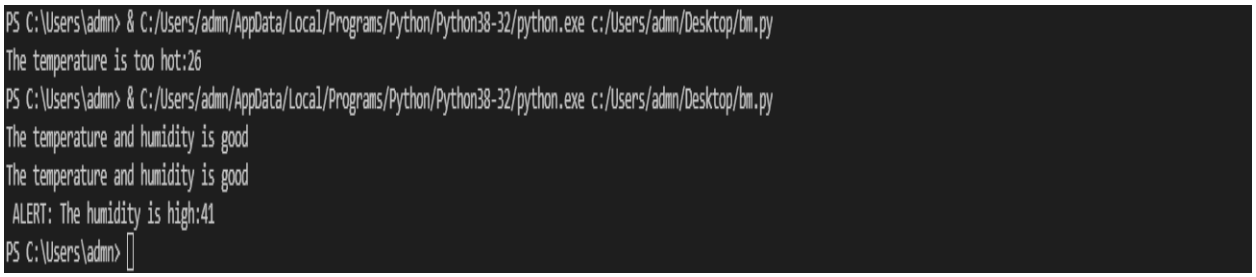
Batch NO: B9-3A5E

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

CODE:

```
import random
def tempMonitor():
 minRoomTemp=15
 maxRoomTemp=25
 minRoomHum=30
 maxRoomHum=40
 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 good")
   tempMonitor()
 else:
   if(temp<minRoomTemp):
     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()
```

OUTPUT:



DONE BY

BATCH NO: B9-3A5E (917719D023, 917719D011, 917719D049, and 19D069)