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ROLL NO : 2019PECEC398
ASSIGNMENT - 2

ASSIGNMENT-2

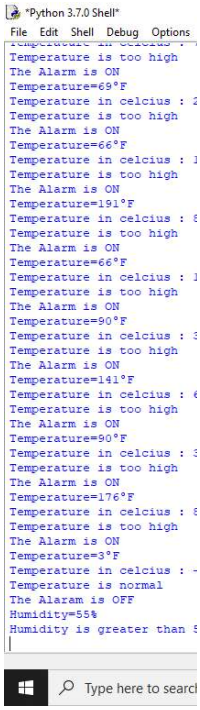
"""Build a python code,assume u get temperature and Humidity valuses (generated with random function to a variable) and write a condition to continuosly detect alarm in case of high temperature"""

```
import random
import time
while(1):
   temperature=random.randint(0,200) #TO GENERATE RANDOM NUMBER FOR
TEMPERATURE
   print("Temperature="+str(temperature)+"°F")
   print("Temperature in celcius : "+str(((temperature-32)*5)//9)+"°C")
  if(temperature>50): #IF TEMPERATURE GOES HIGH THEN ALARM IS ON
      print("Temperature is too high")
      print("The Alarm is ON")
   else:  #TEMPERATURE VALUE GOES NORMAL THEN ALARM IS OFF
         print("Temperature is normal")
         print("The Alaram is OFF")

         humidity=random.randint(0,100)  #TO GENERATE RANDOM NUMER FOR
HUMIDITY
         print("Humidity="+str(humidity)+"%")

         if(humidity<50):
            print("Humidity is less tha 50")
         else:
               print("Humidity is greater than 50")

               time.sleep(2)
```


Python 3.7.0 Shell
File Edit Shell Debug Options
Temperature is too high
The Alarm is ON
Temperature=69°F
Temperature in celcius :
Temperature is too high
The Alarm is ON
Temperature=66°F
Temperature in celcius :
Temperature is too high
The Alarm is ON
Temperature=191°F
Temperature in celcius :
Temperature is too high
The Alarm is ON
Temperature=66°F
Temperature in celcius :
Temperature is too high
The Alarm is ON
Temperature=90°F
Temperature in celcius :
Temperature is too high
The Alarm is ON
Temperature=141°F
Temperature in celcius :
Temperature is too high
The Alarm is ON
Temperature=90°F
Temperature in celcius :
Temperature is too high
The Alarm is ON
Temperature=176°F
Temperature in celcius :
Temperature is too high
The Alarm is ON
Temperature=3°F
Temperature in celcius :
Temperature is normal
The Alaram is OFF
Humidity=55%
Humidity is greater than
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