

ASSIGNMENT-2

PYTHON PROGRAMMING

SUBMITTED BY:
VISHALI K

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

```
import random
import random
while (1):
    temp=random.randint(0,100)
    humidity=random.randint(0,100)
    if temp>60 and humidity>60:
        print("ALERT!! Detected temperature:" + str(temp)
+"c"+" "+"Detected humidity:"+str(humidity))
    elif temp>60:
        print("ALERT!!Detected temperature:" + str(temp)+"c")
    elif hmidity>60:
        print("ALERT!!Detected humidity:"+str(humidity))
        time.sleep(1)
```

assignment2.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/assignment2.py (3.10.5)

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"IDLE Shell 3.10.5"

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```
ALERT!! Detected humidity:93
ALERT!! Detected temperature:96c
ALERT!! Detected humidity:97
ALERT!! Detected temperature:93c
ALERT!! Detected humidity:73
ALERT !! Detected temperature:80cDetected humitidy:73
ALERT!! Detected humidity:80
ALERT !! Detected temperature:94cDetected humitidy:65
ALERT!! Detected temperature:93c
ALERT !! Detected temperature:76cDetected humitidy:77
ALERT!! Detected humidity:90
ALERT!! Detected humidity:96
ALERT!! Detected temperature:61c
ALERT!! Detected temperature:69c
ALERT!! Detected humidity:78
ALERT!! Detected temperature:70c
ALERT!! Detected temperature:98c
ALERT!! Detected humidity:94
ALERT !! Detected temperature:99cDetected humitidy:71
ALERT!! Detected temperature:72c
ALERT!! Detected humidity:65
ALERT!! Detected humidity:75
ALERT!! Detected humidity:82
ALERT !! Detected temperature:87cDetected humitidy:61
ALERT !! Detected temperature:65cDetected humitidy:75
ALERT!! Detected temperature:90c
ALERT!! Detected temperature:96c
ALERT !! Detected temperature:89cDetected humitidy:96
ALERT!! Detected temperature:68c
ALERT !! Detected temperature:88cDetected humitidy:82
ALERT !! Detected temperature:71cDetected humitidy:67
ALERT !! Detected temperature:95cDetected humitidy:82
ALERT !! Detected temperature:85cDetected humitidy:70
ALERT!! Detected temperature:67c
ALERT!! Detected humidity:98
ALERT!! Detected temperature:82c
ALERT!! Detected temperature:61c
ALERT!! Detected temperature:91c
ALERT!! Detected humidity:66
```



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