

Assignment -2
Python Programming

Assignment Date	08 October 2022
Student Name	Jai Shiddharth Essaki
Student Roll Number	7179KCTKCTKCTKCTKCTKCT19BCS206

Question:

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

Solution:

```
import random
import time
result =98.6
r = float(result)
print('normal temperature:',r)
startValue=90.0
endValue=99.0
temp=random.randint(startValue,endValue)
print('temperature:',temp)
result1 =60
r1 = result1
print('normal humidity:',r1)
startValue1=30
endValue1=70
humidity=random.randint(startValue1,endValue1)
print('humidity:',humidity)
startValue2=20
endValue2=70
humidity1=random.randint(startValue2,endValue2)
print('dummy humidity:',humidity1)
r2=30
if temp >r:
```

```
print("high temperature")

for i in range(3):
    time.sleep(1)
    print("\a")

elif(temp < r):
    print("low temperature")

elif(temp == r):
    print("normal temperature")

else:
    print("normal temperature")

if humidity > r1:
    print("high humidity")

elif(humidity1 < r2):
    print("low humidity")

elif(humidity == r1):
    print("normal humidity")

else:
    print("normal humidity")
```