**Assignment -2**

Python Programming

|  |  |
| --- | --- |
| Assignment Date | 08 October 2022 |
| Student Name | Rishekesh.B |
| Student Roll Number | 7179KCTKCTKCTKCTKCTKCTKCT19BCS001 |

**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")