

Assignment -2
Python Programming

Assignment Date	1st October 2022
Student Name	Sam Johnson. C
Student Roll Number	311119106045
Maximum Marks	2 Marks

Question-1:

Build a Python Code, Assume you get temperature and humidity values (generated with random function to a variable). Write a condition to continuously raise an alarm in case of high temperature.

Solution:

```
import random
import keyboard
#random seed for temperature

def gettemp():
    n = random.randint(0,100)
    return n

#random seed for humidity
def gethum():
    j = random.randint(0,100)
    return j

while not keyboard.is_pressed("s"):
    temp = gettemp()
    print("Temperature: ",temp)
    if temp>60:
        print("Temperature Exceeded, Activating Alarm")
    else:
        print("Normal")
print("Ended")
```

Output:

Temperature: 35

Normal

Temperature: 54

Normal

Temperature: 31

Normal

Temperature: 47

Normal

Temperature: 42

Normal

Temperature: 92

Temperature Exceeded, Activating Alarm

Temperature: 100

Temperature Exceeded, Activating Alarm

Temperature: 24

Normal

Temperature: 95

Temperature Exceeded, Activating Alarm

Temperature: 65

Temperature Exceeded, Activating Alarm

Temperature: 69

Temperature Exceeded, Activating Alarm

Temperature: 48

Normal

Temperature: 94

Temperature Exceeded, Activating Alarm

Temperature: 54