Assignment -2

Python Programming

Assignment Date	1st October 2022
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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:

```python
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