

ASSIGNMENT-2

Assignment Date	20 October 2022
Student Name	B.Sowmiya
Student Roll Number	73151921050
Maximum Marks	2 Marks

QUESTION-1:

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.

CODE:

```
import random

while(True):

    temperature=random.randint(12,100)
    humidity=random.randint(12,100);

    print("TEMPERATURE=",temperature)
    print("HUMIDITY=",humidity)

    temperature_temp=50
    humidity_temp=60

    if temperature > temperature_temp and humidity < humidity_temp:
        print("Alarm on")
    else:
```

```
print("Alarm off")
```

```
break
```

Sample output 1:

TEMPERATURE = 43

HUMIDITY = 21

Alarm off

Sample output 2:

TEMPERATURE = 65

HUMIDITY = 14

Alarm on