

**Assignment -2**  
Python Programming

Assignment Date	15 September 2022
Student Name	Mr. ARUNPRASATH K
Student Roll Number	GCTC1914107
Maximum Marks	2 Marks

**Question-1:**

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

**SOLUTION:**

```
import
random

import time

while (1):
    temp = random.randint(0, 100)
    humidity = random.randint(0, 100)
    if temp>60:
        print("ALERT!! Detected temperature: "+str(temp)+"°C")
        time.sleep(1)
```

**OUTPUT:**

```
ALERT!! Detected temperature: 100°C
ALERT!! Detected temperature: 67°C
ALERT!! Detected temperature: 83°C
ALERT!! Detected temperature: 86°C
ALERT!! Detected temperature: 70°C
ALERT!! Detected temperature: 73°C
ALERT!! Detected temperature: 81°C
ALERT!! Detected temperature: 85°C
ALERT!! Detected temperature: 87°C
ALERT!! Detected temperature: 75°C
```