

# IBM - NALAYA THIRAN

## PROJECT

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PROJECT	Signs with Smart Connectivity for Better Road Safety
ASSIGNMENT NO	3

**QUESTION:** Build a python code, assume you 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.

**PROGRAM:**

```
import
random
import
time

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

**OUTPUT:**

A screenshot of a Python code editor. The top part shows the code: 

```
import random
import time

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

 The bottom part shows the output of the program, which is a continuous stream of messages: 

```
ALERT!! WARNING!! Detected temperature: 61°C
ALERT!! WARNING!! Detected temperature: 72°C
ALERT!! WARNING!! Detected temperature: 75°C
ALERT!! WARNING!! Detected temperature: 67°C
ALERT!! WARNING!! Detected temperature: 76°C
ALERT!! WARNING!! Detected temperature: 94°C
ALERT!! WARNING!! Detected temperature: 80°C
ALERT!! WARNING!! Detected temperature: 71°C
ALERT!! WARNING!! Detected temperature: 91°C
ALERT!! WARNING!! Detected temperature: 72°C
```