

**Assignment -1**  
Python Programming

Assignment Date	28September 2022
Student Name	Mr. Salman Fardeen N.S
Student Roll Number	812419104055
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.randrange(15,45);
    if(temp > 30):
        print("Hazard Detected : Temperature - ",temp);
    else:
        print("Hazard Not Detected : Temperature - ",temp);
    time.sleep(3);
```

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```
Python 3.9.4 (tags/v3.9.4:1f2e308, Apr 6 2021, 13:40:21) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
```

```
>>>
```

```
=== RESTART: C:/Users/Salman/AppData/Local/Programs/Python/Python39/ass-2.py ===
```

```
Hazard Not Detected : Temperature - 27
Hazard Not Detected : Temperature - 25
Hazard Not Detected : Temperature - 22
Hazard Detected : Temperature - 33
Hazard Detected : Temperature - 39
Hazard Detected : Temperature - 35
Hazard Not Detected : Temperature - 22
Hazard Detected : Temperature - 38
Hazard Not Detected : Temperature - 26
```

```
|
```