# Assignment -1
## Python Programming

| Assignment Date | 28September 2022 |
|---|---|
| Student Name | Mr. Ramanan.E |
| Student Roll Number | 812419104052 |
| 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:**

```python
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);
```

```
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
```