

## Assignment -2

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

|                     |                   |
|---------------------|-------------------|
| Assignment Date     | 24 September 2022 |
| Student Name        | Haren Prabu M     |
| Student Roll Number | 737819ITL110      |
| Maximum Marks       | 10 Marks          |

Code;

```
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:-

A screenshot of a Python IDE window. The code editor shows the same Python code as in the previous block. Below the code editor, the output console displays a series of 15 lines, each starting with "ALERT!! Detected temperature:" followed by a random temperature value in degrees Celsius. The values are: 83, 97, 89, 64, 84, 75, 75, 90, 91, 73, 79, 79, 61, 72, and 76.

```
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)
```

```
ALERT!! Detected temperature: 83°C
ALERT!! Detected temperature: 97°C
ALERT!! Detected temperature: 89°C
ALERT!! Detected temperature: 64°C
ALERT!! Detected temperature: 84°C
ALERT!! Detected temperature: 75°C
ALERT!! Detected temperature: 75°C
ALERT!! Detected temperature: 90°C
ALERT!! Detected temperature: 91°C
ALERT!! Detected temperature: 73°C
ALERT!! Detected temperature: 79°C
ALERT!! Detected temperature: 79°C
ALERT!! Detected temperature: 61°C
ALERT!! Detected temperature: 72°C
ALERT!! Detected temperature: 76°C
```