## **ASSIGNMENT -2**

#### **PYTHON PROGRAMMING**

| Assignment Date     | 19 September 2022 |
|---------------------|-------------------|
| Student Name        | SWETHA K          |
| Student Roll Number | 917719D134        |
| Maximum Marks       | 2 Marks           |

## **QUESTION-1:**

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

#### **SOLUTION:**

Let us consider normal

```
temperature=40 Celsius and normal
humidity=65% " import random
Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
print("Temperature:")
print(Temperature) print("Humidity:")
print(Humidity)
if((Temperature>40)&(Humidity>65)):
print("Values are HIGH!!! ")
print("ALERT")
if((Temperature>40)&(Humidity<65)):
print("Tempertaure Value is HIGH!!! ")
print("Check Temperature")
if((Temperature<40)&(Humidity>65)):
print("Humidity Value is HIGH!!! ")
print("Check Humidity")
if((Temperature<40)&(Humidity<65)):
print("All Values are in limit!!! ")
print("SAFE ZONE")
```

# **OUTPUT:**







