## Assignment -2

## **Python Programming**

Assignment Date	25 September 2022
Student Name	Gayathri S
Student Roll Number	923819106017
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 True:
  Temperature = random.randint(0,150)
  Humidity = random.randint(0,100)
  if Temperature > 100 and Humidity > 80:
    print("Temperature : " + str(Temperature))
    print("Humidity : " + str(Humidity))
    print("Temperature and Humidity is High")
    print("Alarm On !!!")
    print("")
    time.sleep(2)
  else:
    print("Temperature : " + str(Temperature))
    print("Humidity : " + str(Humidity))
    print("Range is Normal")
    print("")
```