## Assignment -2

## **Python Programming**

Assignment Date	24 September 2022
Student Name	Miss. Dhavamani M
Student Roll Number	923819106013
Maximum Marks	2 Marks

## Question-1:

Build a python code, assume u get a 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("Alarm On!!")
      print(" ")
      time.sleep(2)
   else:
      print("Temperature:"+str(Temperature))
       print("Humidity:"+str(Humidity))
      print("Range is Normal")
      print(" ")
```

Range is Normal Temperature: 80 Humidity: 83 Range is Normal Temperature: 125 Humidity: 30 Range is Normal Temperature: 139 Humidity: 7 Range is Normal Temperature : 2 Humidity: 18 Range is Normal Temperature : 24 Humidity: 29 Range is Normal Temperature: 18 Humidity: 88 Range is Normal Temperature: 143 Humidity: 39 Range is Normal Temperature : 14 Humidity : 63 Range is Normal Temperature : 111 Humidity: 96 Temperature and Humidity is High Alarm On !!!