

# ASSIGNMENT-2

## Python programming

DATE	19 September 2022
Student name	Lubna K
Team ID	PNT2022TMID37069
Project name	IOT BASED SMART PROTECTION SYSTEM FOR AGRICULTURE
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(1):
temp = random.uniform(0,100)
humi = random uniform[0,100)
print("Temperature temp)
print("Humidity:"humi,"96")
if (temp> 50.0)
print("alarm is on")
```

```

1  import random
2  import time
3  while(1):
4
5      temp = random.uniform(0,100)
6      humi = random.uniform(0,100)
7      print("Temperature :",temp)
8      print("Humidity :",humi,"%")
9      time.sleep(1.5)
10
11  if (temp > 50.0):
12      print("alarm is on")

```

```

In [25]: runfile('C:/Users/my pc/.spyder-py3/temp.py', wdir='C:/Users/my pc/.spyder-py3',
current_namespace=True)
Temperature : 36.07568817833495
Humidity : 57.819963756015504 %
Temperature : 53.42489478200475
Humidity : 65.4078842727253 %
alarm is on
Temperature : 42.6443855857892
Humidity : 12.884372564115887 %
Temperature : 59.37744527823505
Humidity : 67.440968057245 %
alarm is on
Temperature : 73.50693172110144
Humidity : 40.35664468687437 %
alarm is on

```