

## ASSIGNMENT- 2

### PYTHON PROGRAMMING

Assignment Date	27 september 2022
Student Name	Sangeetha G
Student Roll Number	912419104025
Maximum number	2 Marks

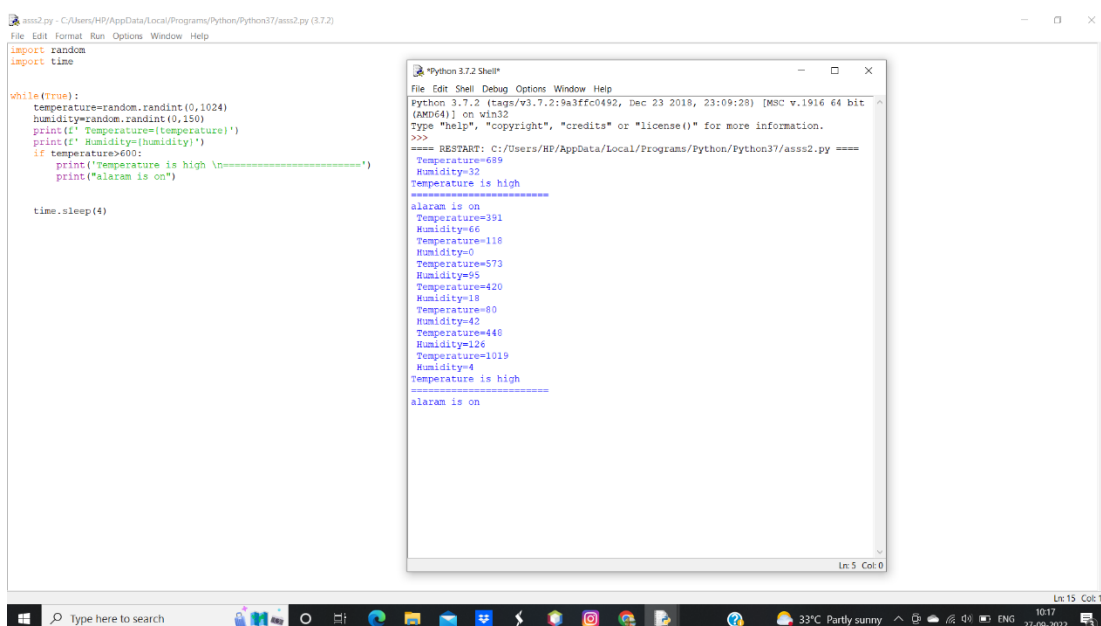
#### QUESTION-1:

Build a python code, Assume you 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.

#### CODING:

```
import random
import time
while(True):
    temperature=random.randint(0,1024)
    humidity=random.randint(0,150)
    print(f' Temperature={ temperature} ')
    print(f' Humidity={ humidity} ')
    if temperature>600:
        print("Temperature is high \n=====")
        print("alarm is on")
        time.sleep(4)
```

#### SCREENSHOT:



```
Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:/Users/H/Python/Python37/ass2.py ====
Temperature=689
Humidity=32
Temperature is high
=====
alarm is on
Temperature=391
Humidity=66
Temperature=118
Humidity=0
Temperature=573
Humidity=95
Temperature=420
Humidity=18
Temperature=80
Humidity=42
Temperature=448
Humidity=126
Temperature=1019
Humidity=4
Temperature is high
=====
alarm is on
```