

Date	27 September 2022
Team ID	PNT2022TMID01040
ProjectName	Project-IoTBasedSafetyGadgetForChild SafetyMonitoring& Notification

ASSIGNEMENT-2

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

PYTHON CODE:

```
import random

while(True):

    temperature=random.randint(10,80)

    humidity=random.randint(10,80)

    print("Humidity=",humidity)

    if(temperature>35):

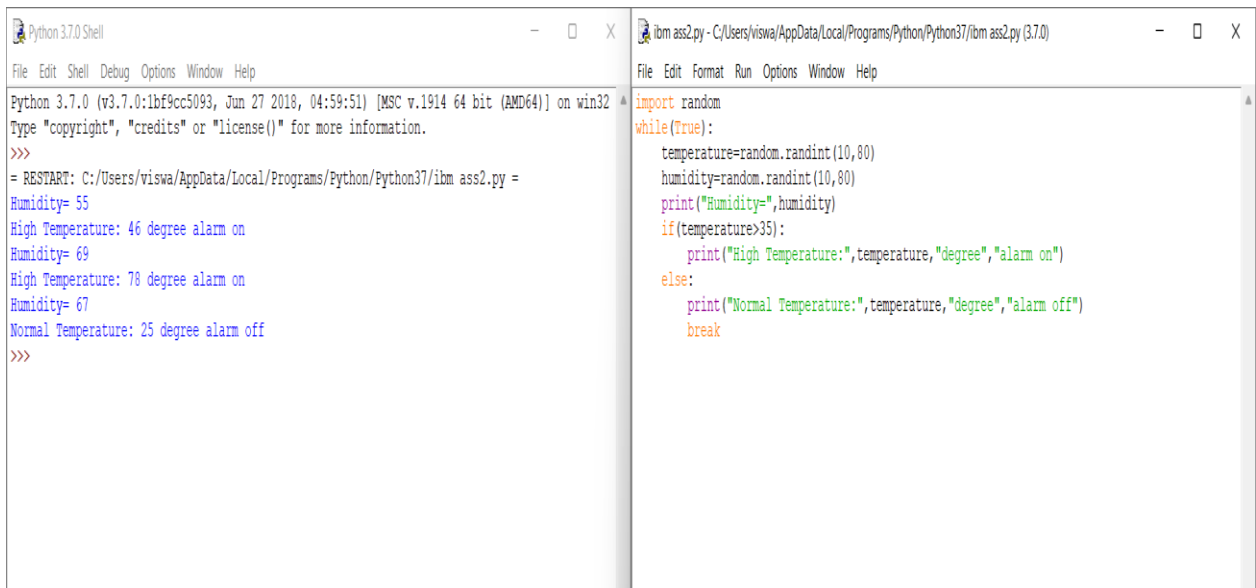
        print("High Temperature:",temperature,"degree","alarm on")

    else:

        print("Normal Temperature:",temperature,"degree","alarm off")

        break
```

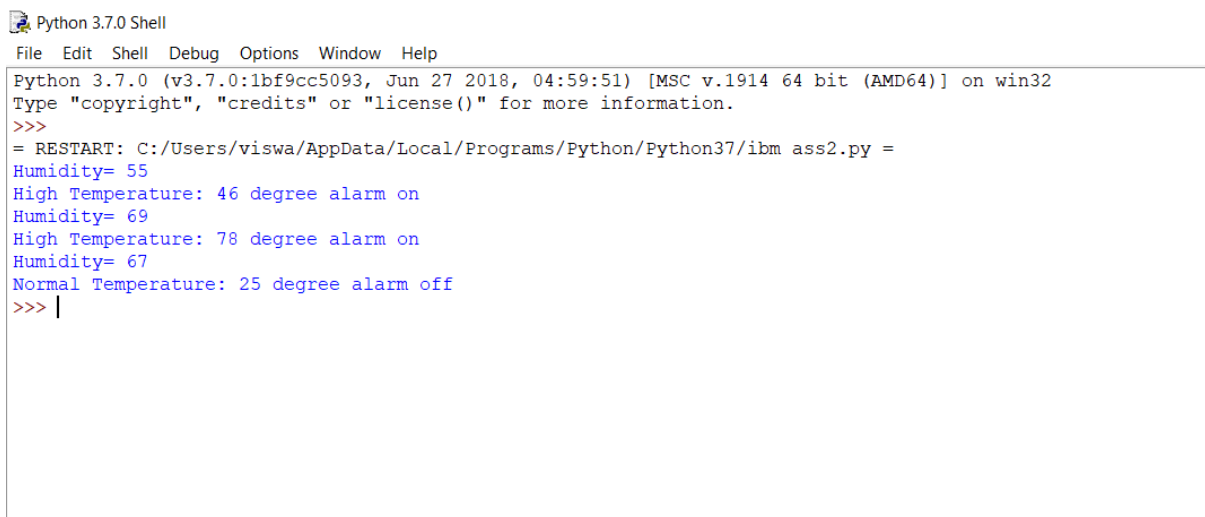
SCREEN SHOT :



```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/viswa/AppData/Local/Programs/Python/Python37/ibm ass2.py =
Humidity= 55
High Temperature: 46 degree alarm on
Humidity= 69
High Temperature: 78 degree alarm on
Humidity= 67
Normal Temperature: 25 degree alarm off
>>>
```

```
ibm ass2.py - C:/Users/viswa/AppData/Local/Programs/Python/Python37/ibm ass2.py (3.7.0)
File Edit Format Run Options Window Help
import random
while(True):
    temperature=random.randint(10,80)
    humidity=random.randint(10,80)
    print("Humidity=",humidity)
    if(temperature>35):
        print("High Temperature:",temperature,"degree", "alarm on")
    else:
        print("Normal Temperature:",temperature,"degree", "alarm off")
    break
```

OUTPUT:



```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
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