

Assignment 2 :

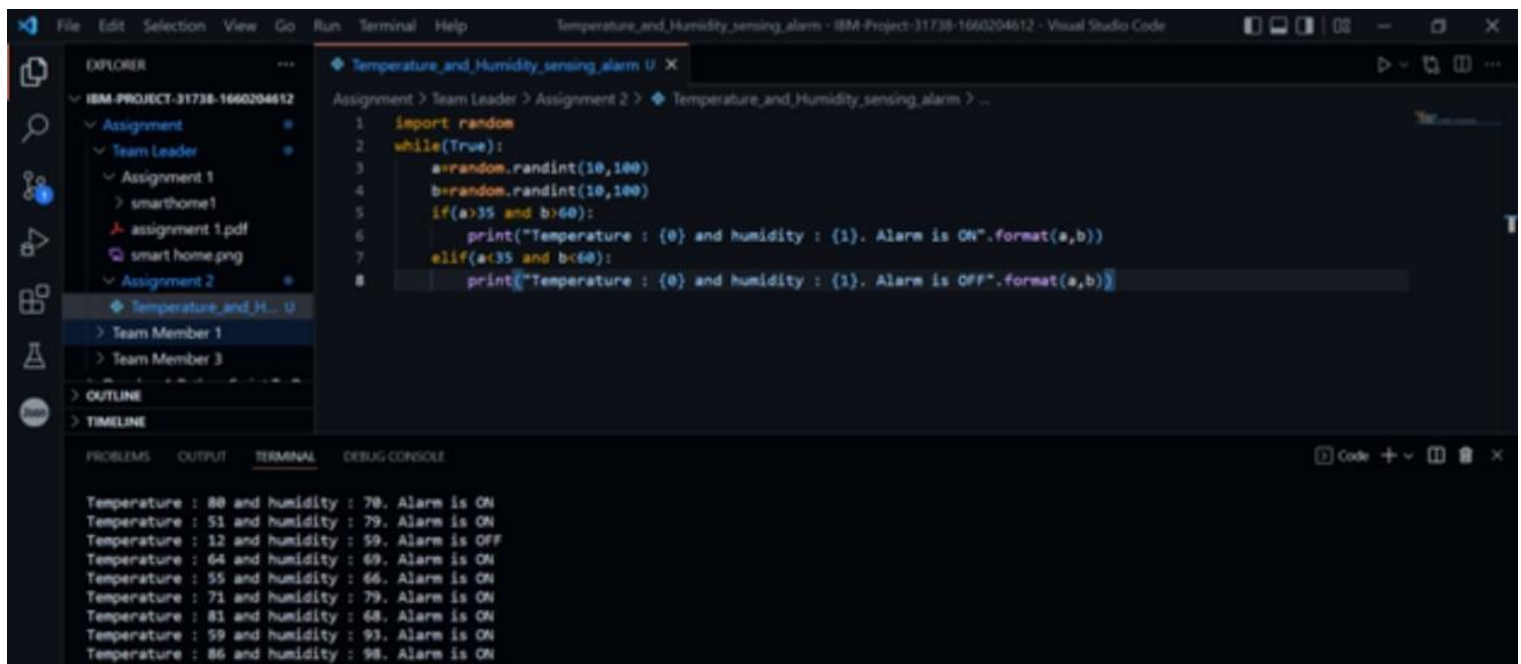
Build a python code, Assume you get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Code :

```
import random

while(True):
    a=random.randint(10,100)
    b=random.randint(10,100)
    if(a>35 and b>60):
        print("Temperature : {0} and humidity : {1}. Alarm is ON".format(a,
b))
    elif(a<35 and b<60):
        print("Temperature : {0} and humidity : {1}. Alarm is OFF".format(a
,b))
```

Image:



```
File Edit Selection View Go Run Terminal Help
Temperature_and_Humidity_sensing_alarm - IBM Project-31738-1660204612 - Visual Studio Code

EXPLORER
IBM-PROJECT-31738-1660204612
├── Assignment
├── Team Leader
├── Assignment 1
│   ├── smarthome1
│   ├── assignment 1.pdf
│   └── smart home.png
└── Assignment 2
    ├── Temperature_and_H... U
    ├── Team Member 1
    ├── Team Member 3
    ├── OUTLINE
    └── TIMELINE

Assignment > Team Leader > Assignment 2 > Temperature_and_Humidity_sensing_alarm > ...

1 import random
2 while(True):
3     a=random.randint(10,100)
4     b=random.randint(10,100)
5     if(a>35 and b>60):
6         print("Temperature : {0} and humidity : {1}. Alarm is ON".format(a,b))
7     elif(a<35 and b<60):
8         print("Temperature : {0} and humidity : {1}. Alarm is OFF".format(a,b))

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code + - - - - -

Temperature : 80 and humidity : 70. Alarm is ON
Temperature : 51 and humidity : 79. Alarm is ON
Temperature : 12 and humidity : 59. Alarm is OFF
Temperature : 64 and humidity : 69. Alarm is ON
Temperature : 55 and humidity : 66. Alarm is ON
Temperature : 71 and humidity : 79. Alarm is ON
Temperature : 81 and humidity : 68. Alarm is ON
Temperature : 59 and humidity : 93. Alarm is ON
Temperature : 86 and humidity : 98. Alarm is ON
```