Assignment 2:

Build Python code, Generate Temperature and Humidity values (use Random function to generative values) and write a condition to detect an alarm in case of high temperature and high Humidity.

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))</pre>
```

IMAGE:

```
II □ □ □ □ □ □ □
K) File Edit Selection View Go Run Terminal Help
Ф
           EXPLORER
         ✓ IBM-PROJECT-31738-1660204612
                                                          1 import random
2 while(True):
 0
                                                                       a-random.randint(10,100)
b-random.randint(10,100)

→ Assignment 1

                > smarthome1
                                                                        if(a)35 and b)60):
print("Temperature : {0} and humidity : {1}. Alarm is ON".format(a,b))
                A assignment 1.pdf
               smart home prig
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               ◆ Temperature_and H.. U
                                                                    print("Temperature : {0} and humidity : {1}. Alarm is OFF".format(a,b))
              > Team Member 1
          OUTLINE
         TIMELINE
                                                                                                                                                                                                                                                ⑤ Code + + □ 8 ×
            PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
           Tempenature: 88 and humidity: 78. Alarm is CN
Tempenature: 51 and humidity: 79. Alarm is CN
Temperature: 12 and humidity: 59. Alarm is CN
Temperature: 64 and humidity: 69. Alarm is CN
Temperature: 55 and humidity: 66. Alarm is CN
Temperature: 71 and humidity: 68. Alarm is CN
Temperature: 81 and humidity: 68. Alarm is CN
Temperature: 59 and humidity: 93. Alarm is CN
Temperature: 86 and humidity: 98. Alarm is CN
```