IOT ASSIGNMENT-2

TOPIC: Assignment on temperature and humidity sensing and alarm automation using python

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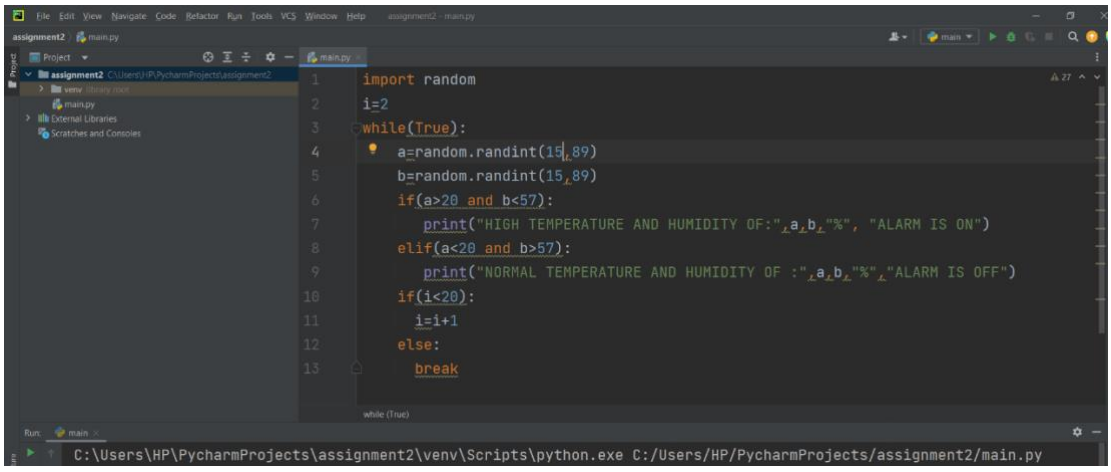
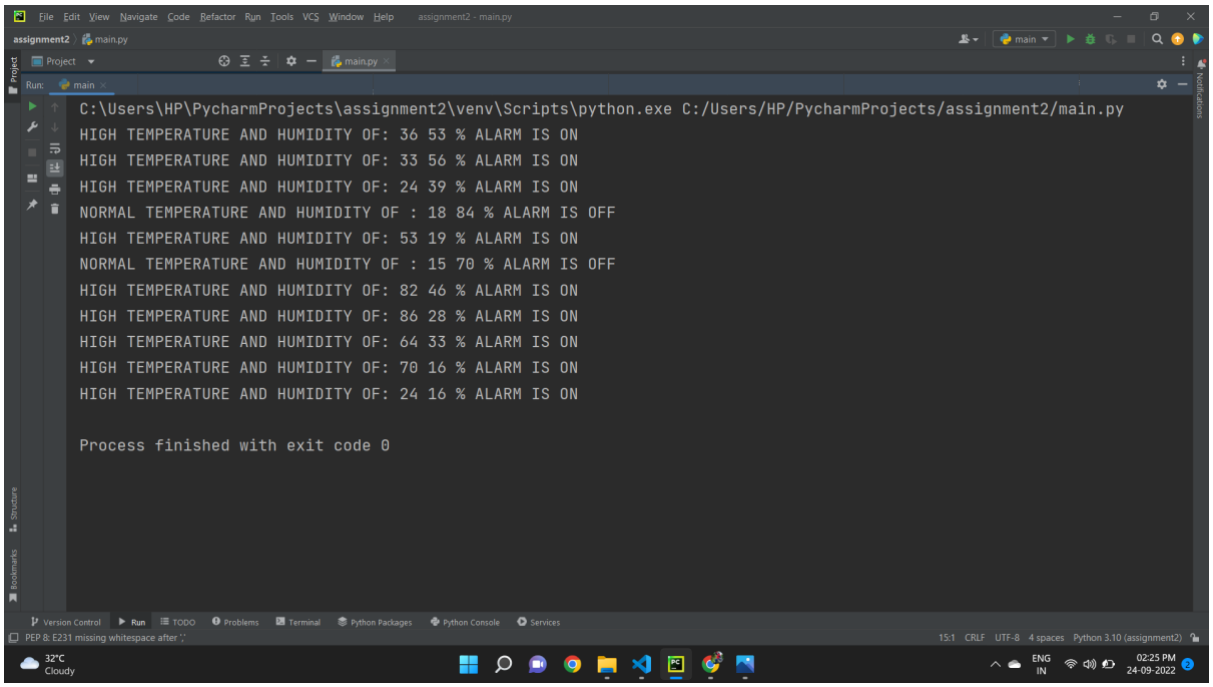
CODE:

```
Import random
i=2
while(True):
        a=random.randint(15,89)
        b=random.randint(15,89)
        if(a>20 and b<57):
                print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%", "ALARM IS ON")
        elif(a<20 and b>57):
                 print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%", "ALARM IS OFF")
        if(i<20):
                i=i+1
                random
else:
        break
```



OUTPUT:


C:\Users\HP\PycharmProjects\assignment2\venv\Scripts\python.exe C:/Users/HP/PycharmProjects/assignment2/main.py
HIGH TEMPERATURE AND HUMIDITY OF: 36 53 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 33 56 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 24 39 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF : 18 84 % ALARM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 53 19 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF : 15 70 % ALARM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 82 46 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 86 28 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 64 33 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 70 16 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 24 16 % ALARM IS ON
Process finished with exit code 0