

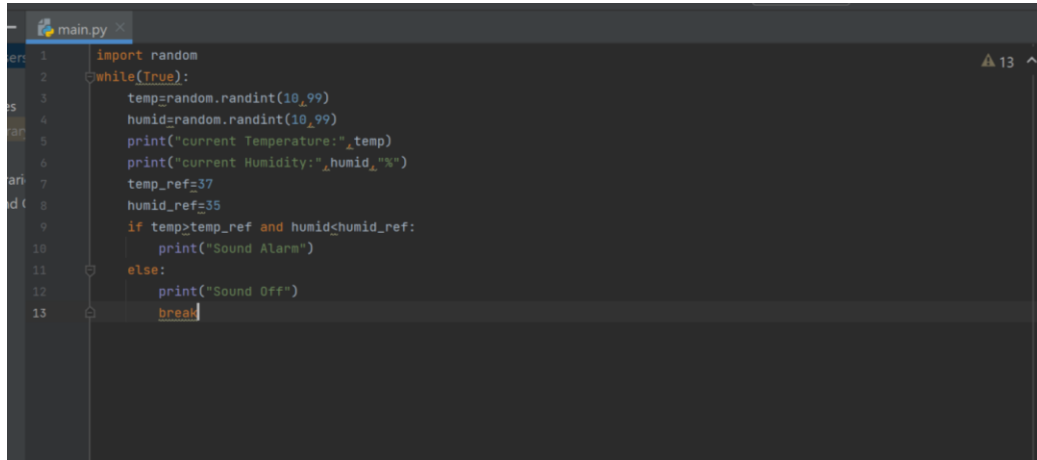
## ASSIGNMENT 2

**Build a python code, Assume u 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:**

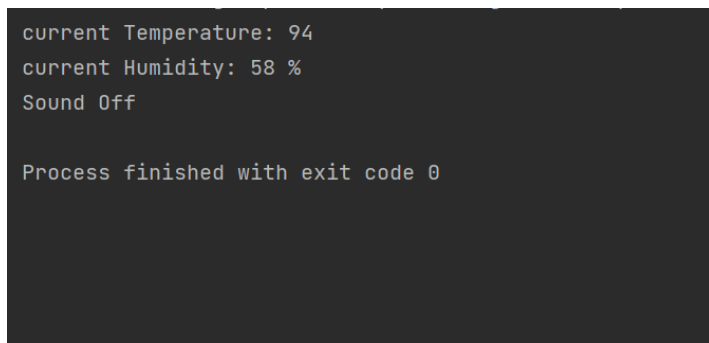
```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current Temperature:",temp)
    print("current Humidity:",humid,"%")
    temp_ref=37
    humid_ref=35
    if temp>temp_ref and humid<humid_ref:
        print("Sound Alarm")
    else:
        print("Sound Off")
        break
```

## Result:

A screenshot of a code editor window titled 'main.py'. The code is a Python script that imports the 'random' module and enters a 'while(True):' loop. Inside the loop, it generates random values for 'temp' and 'humid' using 'random.randint(10,99)'. It then prints 'current Temperature: ' followed by 'temp' and 'current Humidity: ' followed by 'humid' with a '%' symbol. Below the prints, it sets reference values 'temp\_ref=37' and 'humid\_ref=35'. An 'if' statement checks if 'temp > temp\_ref and humid < humid\_ref'. If true, it prints 'Sound Alarm'. Otherwise, it prints 'Sound Off' and then breaks the loop with 'break'.

```
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     humid=random.randint(10,99)
5     print("current Temperature: ",temp)
6     print("current Humidity: ",humid,"%")
7     temp_ref=37
8     humid_ref=35
9     if temp>temp_ref and humid<humid_ref:
10        print("Sound Alarm")
11    else:
12        print("Sound Off")
13        break
```

## Output:

A screenshot of a terminal window showing the output of the Python script. It displays three lines of output: 'current Temperature: 94', 'current Humidity: 58 %', and 'Sound Off'. Below these, it shows 'Process finished with exit code 0'.