

## ASSIGNMENT 2

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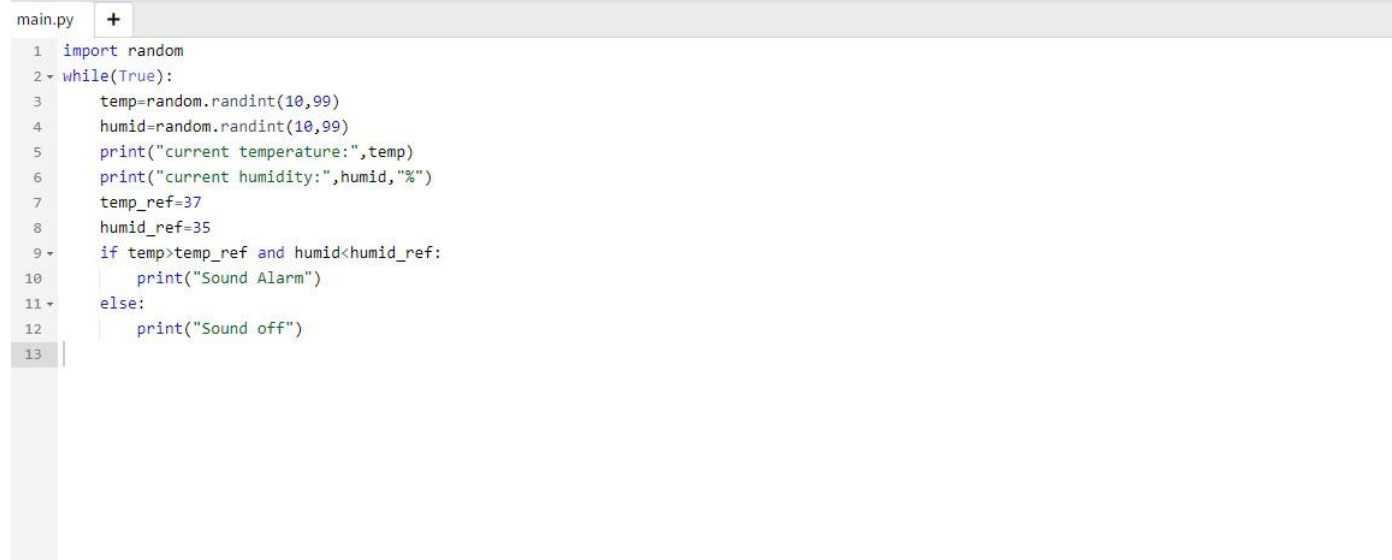
**PROJECT NAME:** PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT

**ASSIGNMENT:** Build a python code. Assume u get temperature and humidity values 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")
```

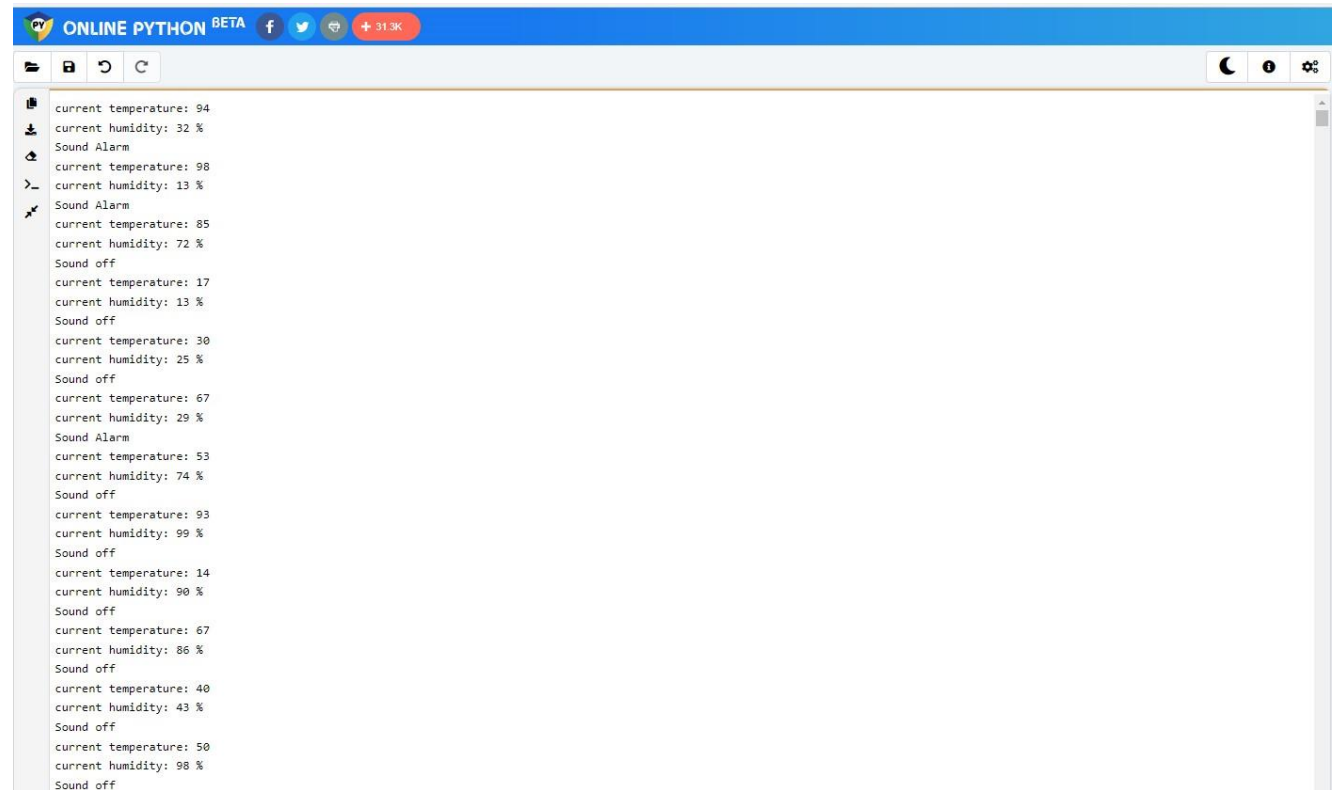
### **PROGRAM:**



The screenshot shows a code editor with a tab labeled 'main.py' and a '+' icon. The code is as follows:

```
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
```

## OUTPUT :



The screenshot displays the Online Python Beta web interface. The top header bar is blue and contains the 'ONLINE PYTHON BETA' logo, social media icons for Facebook, Twitter, and GitHub, and a red button with '+ 31.3K'. Below the header is a light gray toolbar with icons for file operations (new, open, save, undo, redo) and a settings icon. The main workspace is a large white area with a vertical scrollbar on the right. On the left side of the workspace, there is a list of output data points, each preceded by a small icon representing a different sensor or status. The data points are as follows:

- current temperature: 94
- current humidity: 32 %
- Sound Alarm
- current temperature: 98
- current humidity: 13 %
- Sound Alarm
- current temperature: 85
- current humidity: 72 %
- Sound off
- current temperature: 17
- current humidity: 13 %
- Sound off
- current temperature: 30
- current humidity: 25 %
- Sound off
- current temperature: 67
- current humidity: 29 %
- Sound Alarm
- current temperature: 53
- current humidity: 74 %
- Sound off
- current temperature: 93
- current humidity: 99 %
- Sound off
- current temperature: 14
- current humidity: 90 %
- Sound off
- current temperature: 67
- current humidity: 86 %
- Sound off
- current temperature: 40
- current humidity: 43 %
- Sound off
- current temperature: 50
- current humidity: 98 %
- Sound off