

## Assignment -2

### Python Programming

Assignment Date	06 October 2022
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Maximum Marks	2 Marks

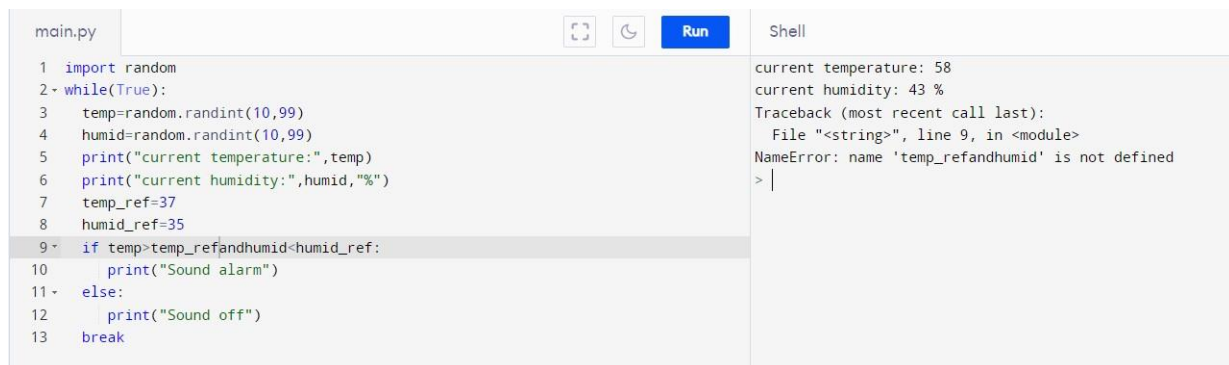
#### Question:

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

#### Solution:

```
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_refandhumid<humid_ref:
        print("Sound alarm")
    else:
        print("Sound off")
    break
```

#### Output:



```
main.py
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_refandhumid<humid_ref:
10         print("Sound alarm")
11     else:
12         print("Sound off")
13     break
```

```
Shell
current temperature: 58
current humidity: 43 %
Traceback (most recent call last):
  File "<string>", line 9, in <module>
NameError: name 'temp_refandhumid' is not defined
> |
```