Python Program

Assignment Date	21 September 2022
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Maximum Marks	2 Marks

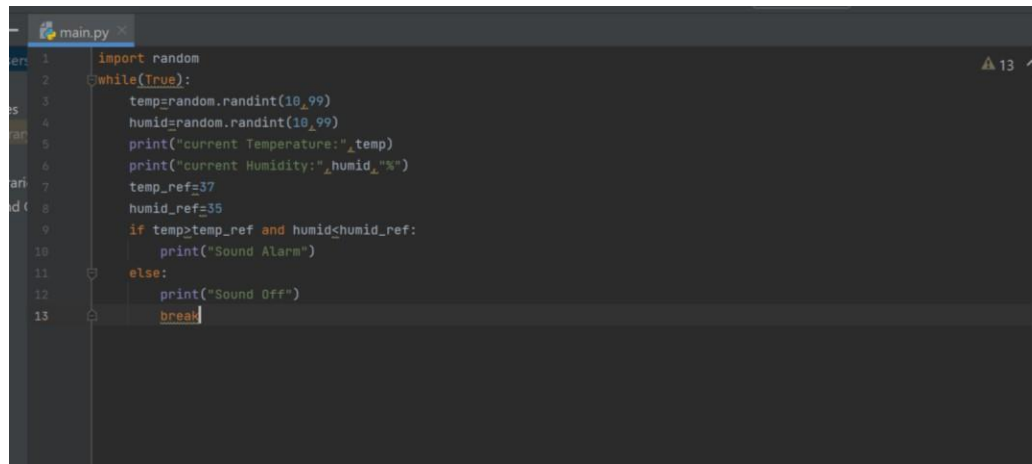# Question-1

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:

```python
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:

```python
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
```

Output:

```
current Temperature: 94
current Humidity: 58 %
Sound Off

Process finished with exit code 0
```