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Code:

```python
import random
while(True):
  temp=random.randint(55,88)
  humidity=random.randint(65,88)
  print("Temperature is: ",temp,"\nHumidity is: ",humidity,"%")
  temp_ref=34
  humidity_ref=32
  if(temp>temp_ref and humidity>humidity_ref):
      print("Alarm Sound On!!!")
  else:
      print("Alarm Sound Off!!!")
  break
```

Sample Output 1:

```
 Temperature  is:  84
Humidity  is:  88  %
Alarm  Sound  On!!!
```

Sample Output 2:

```
 Temperature is: 20
 Humidity is: 30 %
 Alarm Sound Off!!!
```