

Assignment – II

Topic : PYTHON CODE TO GET TEMPERATURE AND HUMIDITY VALUE

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Code:

```
import random while(True):
temp=random.randint(10,99)
humidity=random.randint(10,99)  print("current
temperature: ",temp)  print("current
humidity:",humidity,"% ")  temp_ref=45
humidity_ref=50  if temp > temp_ref and humidity
< humidity_ref:
    print("Alarm on")  else:
    print("Alarm off")
break
```

OUTPUT :

ALARM ON

```
1 import random
2 while True:
3     temp=random.randint(10,99)
4     humidity=random.randint(10,99)
5     print("current temperature: ",temp)
6     print("current humidity: ",humidity,"%")
7     temp_ref=45
8     humidity_ref=50
9     if temp > temp_ref and humidity < humidity_ref:
10        print("Alarm on")
11    else:
12        print("Alarm off")
13    break
14
```

Run: main

C:\Users\vedha\PycharmProjects\Temperature\venv\bin\python.exe C:/Users/vedha/PycharmProjects/Temperature/main.py

current temperature: 65
current humidity: 19 %
Alarm on

Process finished with exit code 0

ALARM OFF

```
1 import random
2 while True:
3     temp=random.randint(10,99)
4     humidity=random.randint(10,99)
5     print("current temperature: ",temp)
6     print("current humidity: ",humidity,"%")
7     temp_ref=45
8     humidity_ref=50
9     if temp > temp_ref and humidity < humidity_ref:
10        print("Alarm on")
11    else:
12        print("Alarm off")
13    break
14
```

Run: main

C:\Users\vedha\PycharmProjects\Temperature\venv\bin\python.exe C:/Users/vedha/PycharmProjects/Temperature/main.py

current temperature: 28
current humidity: 66 %
Alarm off

Process finished with exit code 0