

Assignment – II

Topic : PYTHON CODE TO GET TEMPERATURE AND HUMIDITY VALUE

Name:pavithra.M

RegisterNumber: 920819106042

E-Mail Id :sukky0034@gmail.com

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