

ASSIGNMENT 2

Build a python code, assume you 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

```
import random
temp=random.randint(10,100)
print("Temperature is",temp)
humid=random.randint(10,100)
print("Humidity is",humid)
threshold=30
if(temp>threshold):
    if(temp>40):
        print("Temperature is very high")
        print("Alarm is detected")
    else:
        print("Temperature is above threshold")
elif(temp<=30)and(temp>25):
    print("Normal temperature")
else:
    print("Low temperature")
```

OUTPUTs

Temperature is 87

Humidity is 44

Temperature is very high

Alarm is detected

Temperature is 36

Humidity is 14

Temperature is above threshold

Temperature is 30

Humidity is 22

Normal temperature

Temperature is 14

Humidity is 88

Low temperature