

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
def temperature_detection(temperature):
    if temperature<50:
        print("Temperature is low")
    elif temperature>50 and temperature<75:
        print("Temperature is Normal")
    else:
        print("Temperature too high")
while(1):
    temperature=random.randint(30,100)
    print("Temperature:")
    print(temperature)
    humidity=random.randint(10,100)
    print("Humidity:")
    print(humidity)
    temperature_detection(temperature)
    print("\n")
```

OUTPUT

```
Temperature:
92
Humidity:
73
Temperature too high
```

```
Temperature:
58
Humidity:
54
Temperature is Normal
```

```
Temperature:
40
Humidity:
62
Temperature is low
```