

ASSIGNMENT – 2

CODE:

```
import random
import time
def get_temp():
    return round(random.uniform(20,40),2) ##20 to 24 cold; 25 to 35 normal; 36 to 40 hot

def get_humidity():
    return round(random.uniform(30,80),2) ##30 to 40 low; 40 to 60 normal; 60 to 80 high

while 1:
    temp=get_temp()
    humid = get_humidity()
    print('Temperature ',temp,'C')
    print('Humidity ',humid,'%')
    if temp>35:
        print('!!ALERT!! The temperature is high.Its roasting out there..')
    time.sleep(5)
```

OUTPUT:

```
Temperature  31.94 C
Humidity  31.77 %
Temperature  21.22 C
Humidity  69.52 %
Temperature  34.14 C
Humidity  30.36 %
Temperature  39.26 C
Humidity  62.32 %
!!ALERT!! The temperature is high.Its roasting out there..
Temperature  36.7 C
Humidity  32.56 %
!!ALERT!! The temperature is high.Its roasting out there..
Temperature  21.08 C
Humidity  59.38 %
Temperature  31.38 C
Humidity  60.23 %
Temperature  24.13 C
Humidity  66.44 %
Temperature  22.59 C
Humidity  67.89 %
Temperature  37.69 C
Humidity  68.85 %
!!ALERT!! The temperature is high.Its roasting out there..
```