IOT ASSIGNMEN-2T

Name	Arathi K Nair
Team ID	PNT2022TMID42660
Project Name	Real Time River Water Quality Monitoring and Control System

TOPIC: Assignment on temperature and humidity sensing and alarm automation using python

NAME: ANBALAGAN.A

CODE:

```
import time

i=0

while (i<=10):

    i=i+1

    time.sleep(1

    )


    import random

    temperature=random.randint(0,30)

    humidity=random.randint(1,100)
```

```python
if temperature<=15:

    print(temperature, "temperature is low")
```

```python
elif temperature<=25:

    print(temperature, "temperature is normal") else :

    print(temperature, "Warning:High Temperature") if humidity<=30:

    print(humidity, "humidity is low ")
```
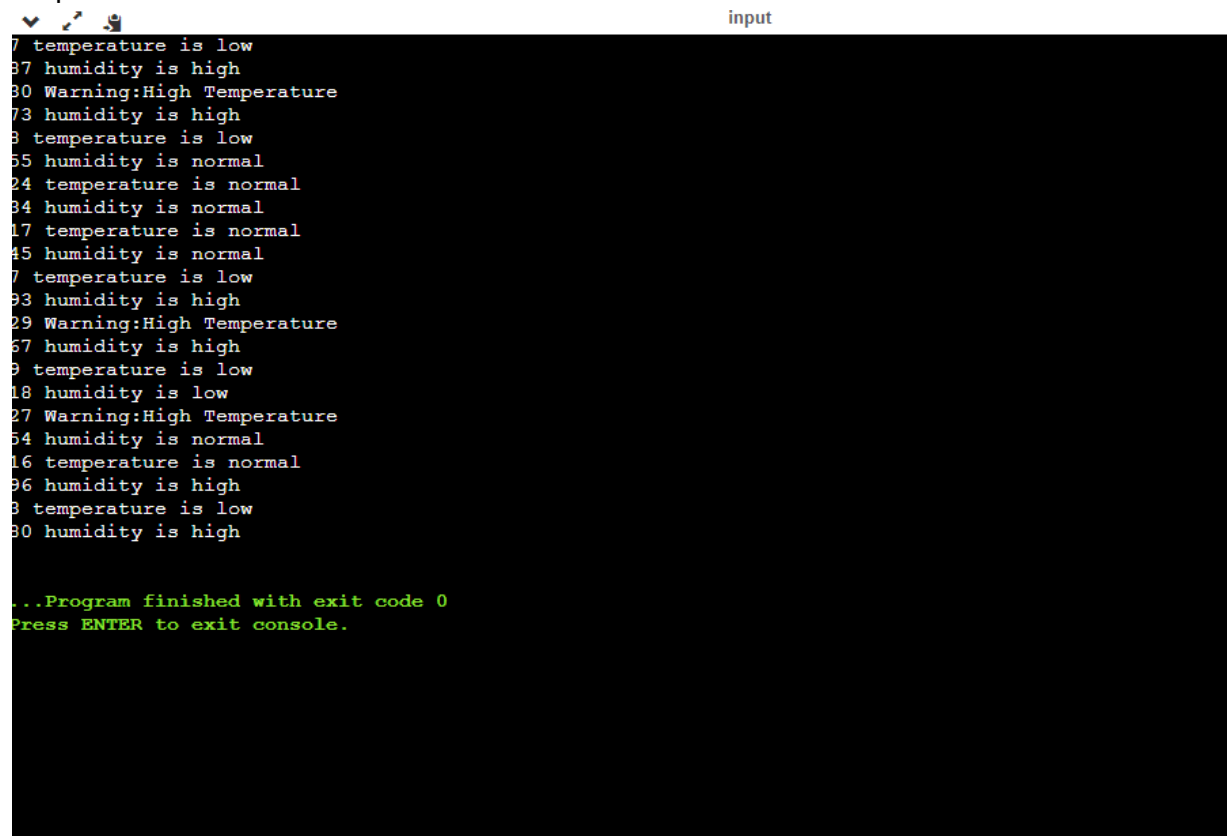
```python
    elif humidity<=60:

        print(humidity, "humidity is normal")

    else :

        print(humidity, "humidity is high")
```

Output:


```
input
7 temperature is low
87 humidity is high
30 Warning:High Temperature
73 humidity is high
3 temperature is low
55 humidity is normal
24 temperature is normal
34 humidity is normal
17 temperature is normal
45 humidity is normal
7 temperature is low
93 humidity is high
29 Warning:High Temperature
67 humidity is high
9 temperature is low
18 humidity is low
27 Warning:High Temperature
54 humidity is normal
16 temperature is normal
96 humidity is high
3 temperature is low
30 humidity is high


...Program finished with exit code 0
Press ENTER to exit console.
```