IBM ASSIGNMENT-2

Project Title:

Real-Time River Water Quality Monitoring And Control System

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Assignment Question:

Built a python code assume u 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

PYTHON CODE:

```
from machine import Pin
from time import sleep
import dht

sensor = dht.DHT22(Pin(14))
#sensor = dht.DHT11(Pin(14))

while True:
  try:
    sleep(2)
    sensor.measure()
    temp = sensor.temperature()
    hum = sensor.humidity()
    temp_f = temp * (9/5) + 32.0
```

```python
    print('Temperature: %3.1f C' %temp)
    print('Temperature: %3.1f F' %temp_f)
    print('Humidity: %3.1f %%' %hum)
except OSError as e:
  print('Failed to read sensor.')
```