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# ATP_IoT
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# Código criado por Felipe Alberto de Lima da Silva
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```
import machine
```

```
import time
```

```
import dht
```

```
from wifi_lib import conecta
```

```
import urequests
```

```
print("Conectando...")
```

```
station = conecta("WIFI-FDE8", "97D129FDE8")
```

```
if not station.isconnected():
```

```
    print("Nao conectado!")
```

```
else:
```

```
    print("Conectado!!!")
```

```
r = machine.Pin(2, machine.Pin.OUT)
```

```
d = dht.DHT11(machine.Pin(4))
```

```
while True:
```

```
    d.measure()
```

```
    print("Temp={} Umid={} ".format(d.temperature(), d.humidity()))
```

```
    link =
```

```
"https://api.thingspeak.com/update?api_key=AJBTNRDVB7QM1BDO&field1={} &field2={} ".format(d.temperature(), d.humidity())
```

```
    try:
```

```
        dados = urequests.get(link)
```

```
        dados.close()
```

```
        time.sleep(1)
```

```
        if (d.temperature() > 31 or d.humidity() > 40):
```

```
    r.value(1)
```

```
else:
```

```
    r.value(0)
```

```
except:
```

```
    print("Falha ao enviar dados")
```