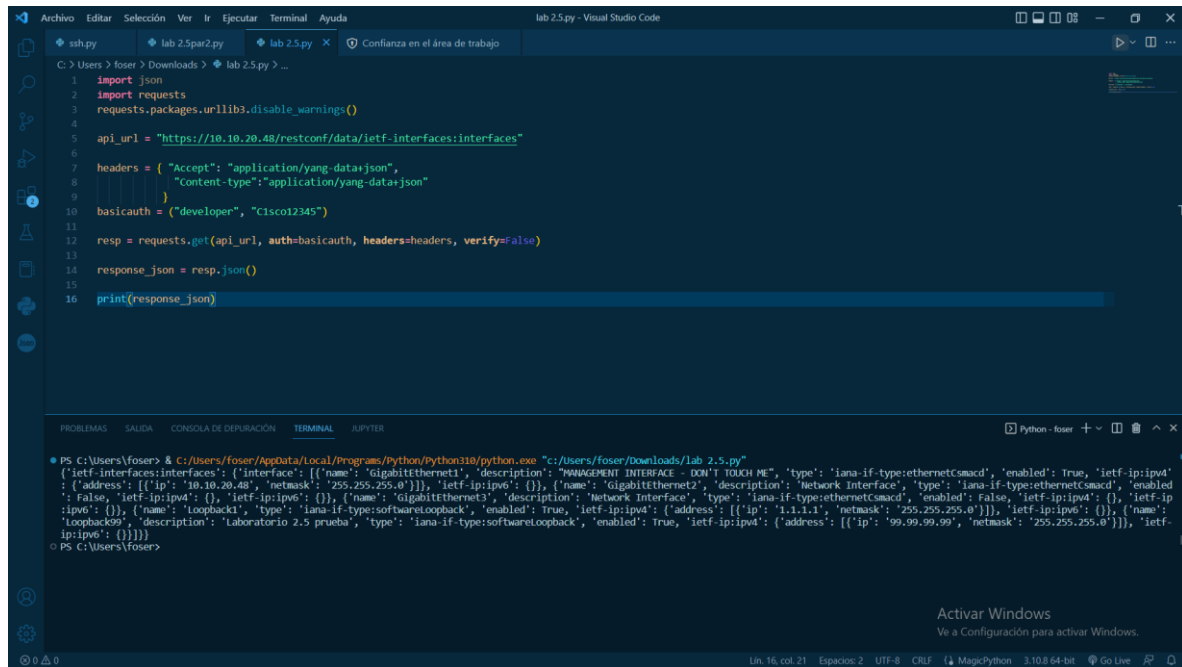


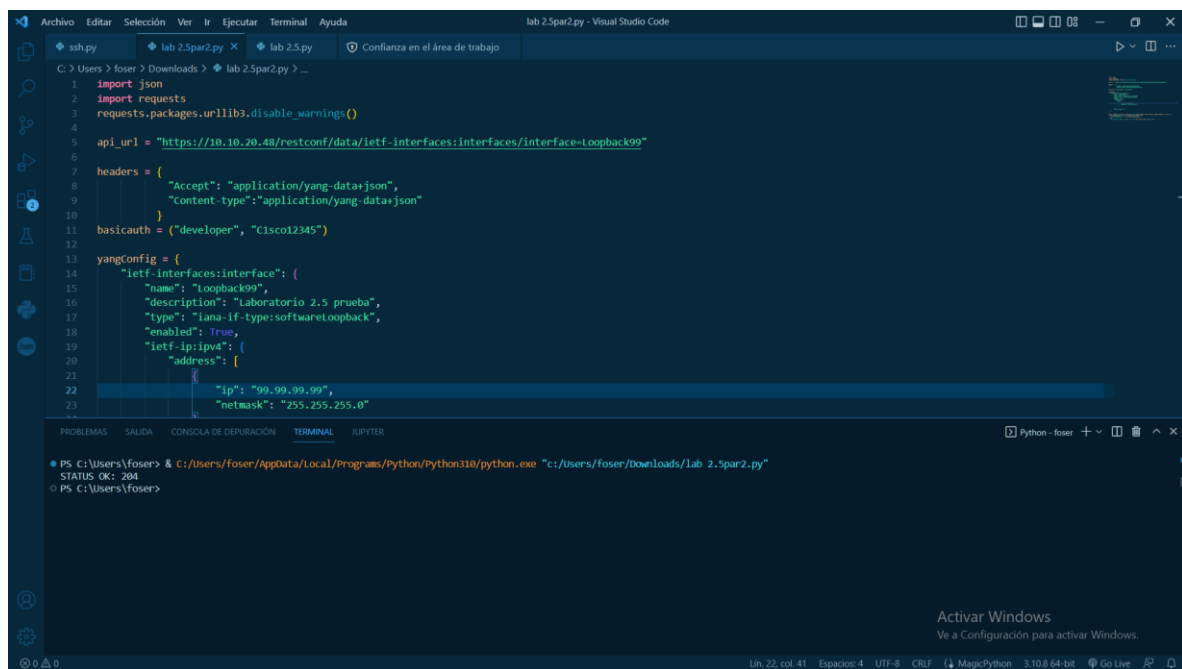
## RESTCONF in Python, junto a la salida



```
1 import json
2 import requests
3 requests.packages.urllib3.disable_warnings()
4
5 api_url = "https://10.10.20.48/restconf/data/ietf-interfaces:interfaces"
6
7 headers = {
8     "Accept": "application/yang-data+json",
9     "Content-type": "application/yang-data+json"
10 }
11
12 basicauth = ("developer", "Cisco12345")
13
14 resp = requests.get(api_url, auth=basicauth, headers=headers, verify=False)
15
16 response_json = resp.json()
17
18 print(response_json)
```

```
PS C:\Users\foser> & C:\Users\foser\AppData\Local\Programs\Python\Python310\python.exe "c:\Users\foser\Downloads\lab 2.5.py"
{'ietf-interfaces:interfaces': {'interface': [{'name': 'GigabitEthernet1', 'description': 'MANAGEMENT INTERFACE - DON'T TOUCH ME', 'type': 'iana-if-type:ethernetCsmacd', 'enabled': True, 'ietf-ip:ipv4': {'address': [{'ip': '10.10.20.48', 'netmask': '255.255.255.0'}]}, 'ietf-ip:ipv6': {}}, {'name': 'GigabitEthernet2', 'description': 'Network Interface', 'type': 'iana-if-type:ethernetCsmacd', 'enabled': False, 'ietf-ip:ipv4': {}, 'ietf-ip:ipv6': {}}, {'name': 'GigabitEthernet3', 'description': 'Network Interface', 'type': 'iana-if-type:ethernetCsmacd', 'enabled': False, 'ietf-ip:ipv4': {}, 'ietf-ip:ipv6': {}}, {'name': 'Loopback1', 'type': 'iana-if-type:softwareLoopback', 'enabled': True, 'ietf-ip:ipv4': {'address': [{'ip': '1.1.1.1', 'netmask': '255.255.255.0'}]}, 'ietf-ip:ipv6': {}}, {'name': 'Loopback99', 'description': 'Laboratorio 2.5 prueba', 'type': 'iana-if-type:softwareLoopback', 'enabled': True, 'ietf-ip:ipv4': {'address': [{'ip': '99.99.99.99', 'netmask': '255.255.255.0'}]}, 'ietf-ip:ipv6': {}}]}}
```

## Modificación de la configuración de la interfaz con RESTCONF en Python



```
1 import json
2 import requests
3 requests.packages.urllib3.disable_warnings()
4
5 api_url = "https://10.10.20.48/restconf/data/ietf-interfaces:interfaces/interface-loopback99"
6
7 headers = {
8     "Accept": "application/yang-data+json",
9     "Content-type": "application/yang-data+json"
10 }
11
12 basicauth = ("developer", "Cisco12345")
13
14 yangConfig = {
15     "ietf-interfaces:interface": {
16         "name": "Loopback99",
17         "description": "Laboratorio 2.5 prueba",
18         "type": "iana-if-type:softwareLoopback",
19         "enabled": True,
20         "ietf-ip:ipv4": {
21             "address": [
22                 {
23                     "ip": "99.99.99.99",
24                     "netmask": "255.255.255.0"
25                 }
26             ]
27         }
28     }
29 }
```

```
PS C:\Users\foser> & C:\Users\foser\AppData\Local\Programs\Python\Python310\python.exe "c:\Users\foser\Downloads\lab 2.5par2.py"
STATUS OK: 204
PS C:\Users\foser>
```

Los scripts se realizaron con éxito y lograron ejecutarse con éxito.