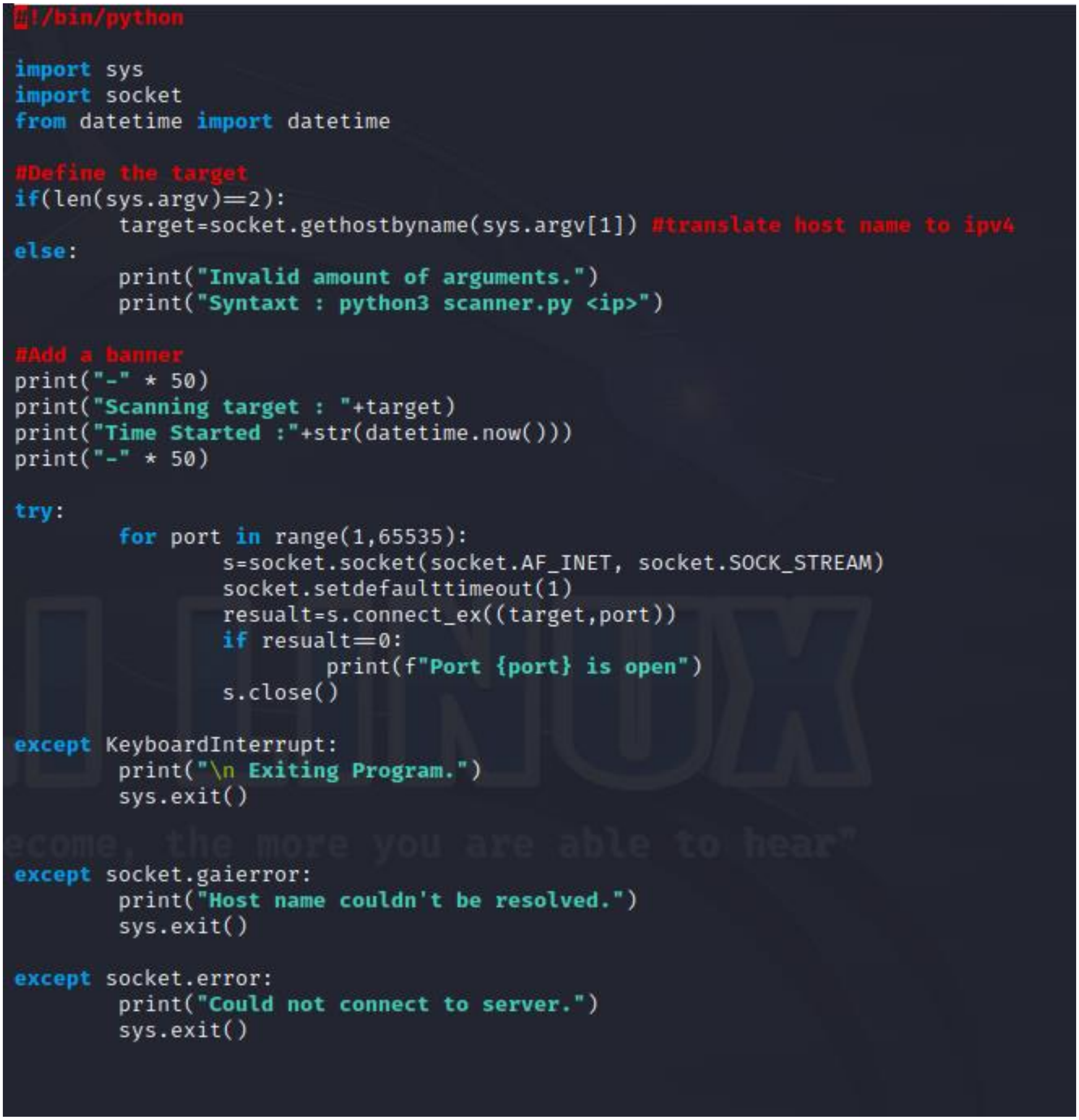
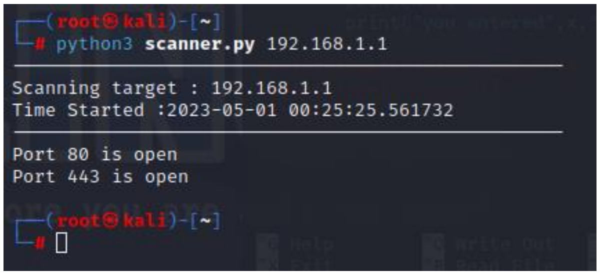
Port Scanner in python



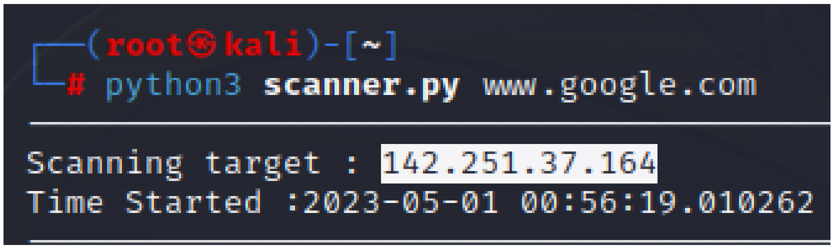
```
#!/bin/python

import sys
import socket
from datetime import datetime

#Define the target
if(len(sys.argv)==2):
        target=socket.gethostbyname(sys.argv[1]) #translate host name to ipv4
else:
        print("Invalid amount of arguments.")
        print("Syntaxt : python3 scanner.py <ip>")

#Add a banner
print("-" * 50)
print("Scanning target : "+target)
print("Time Started :"+str(datetime.now()))
print("-" * 50)

try:
        for port in range(1,65535):
                s=socket.socket(socket.AF_INET, socket.SOCK_STREAM)
                socket.setdefaulttimeout(1)
                resualt=s.connect_ex((target,port))
                if resualt==0:
                        print(f"Port {port} is open")
                s.close()

except KeyboardInterrupt:
        print("\n Exiting Program.")
        sys.exit()


except socket.gaierror:
        print("Host name couldn't be resolved.")
        sys.exit()

except socket.error:
        print("Could not connect to server.")
        sys.exit()
```

-Make scann on my router ip :



```
┌──(root㉿kali)-[~]
└─# python3 scanner.py 192.168.1.1
--------------------------------------------------
Scanning target : 192.168.1.1
Time Started :2023-05-01 00:25:25.561732
--------------------------------------------------
Port 80 is open
Port 443 is open

┌──(root㉿kali)-[~]
└─# 
```

-Convert the input domain into ip address :



```
┌──(root㉿kali)-[~]
└─# python3 scanner.py www.google.com
--------------------------------------------------
Scanning target : 142.251.37.164
Time Started :2023-05-01 00:56:19.010262
--------------------------------------------------
```