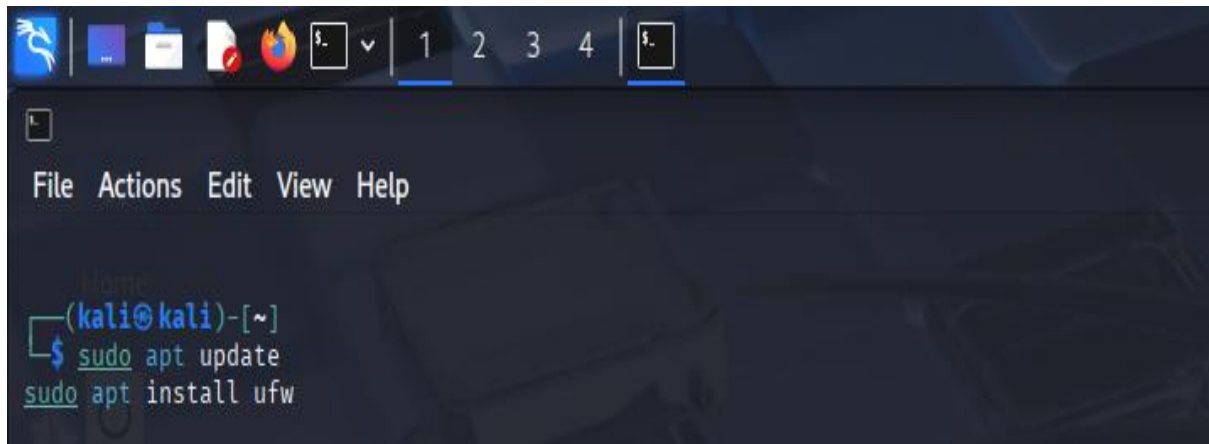# Task 4 : Setup and Use a Firewall on Windows/Linux

### 1. Open Firewall Configuration Tool

The firewall was configured via the terminal using **UFW (Uncomplicated Firewall)** on Kali Linux.
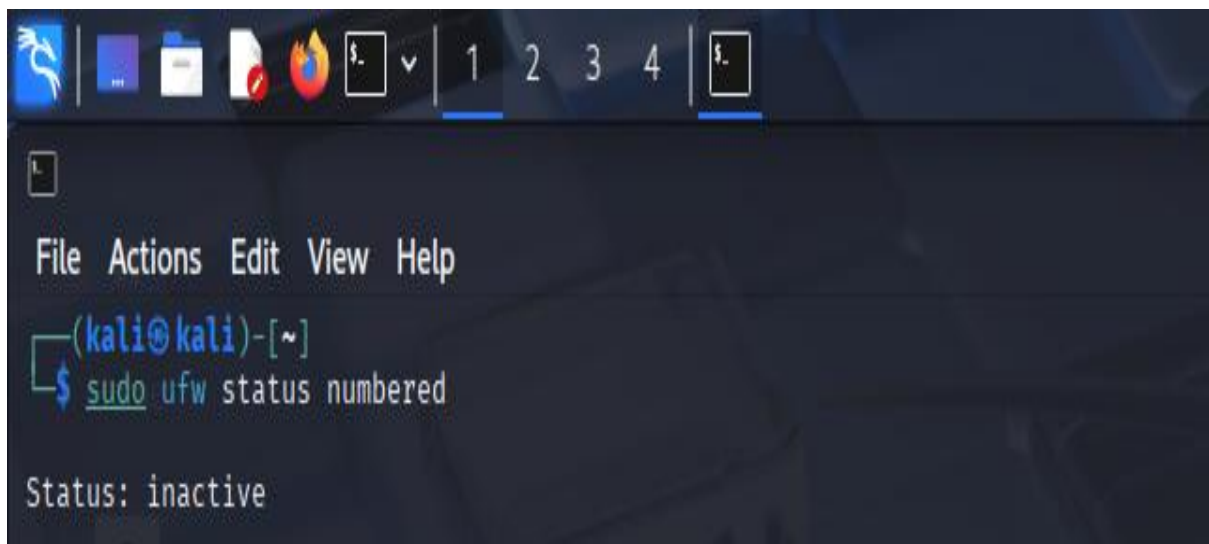


### 2. List Current Firewall Rules

Initially, UFW was **inactive**. After enabling, firewall rules were listed.

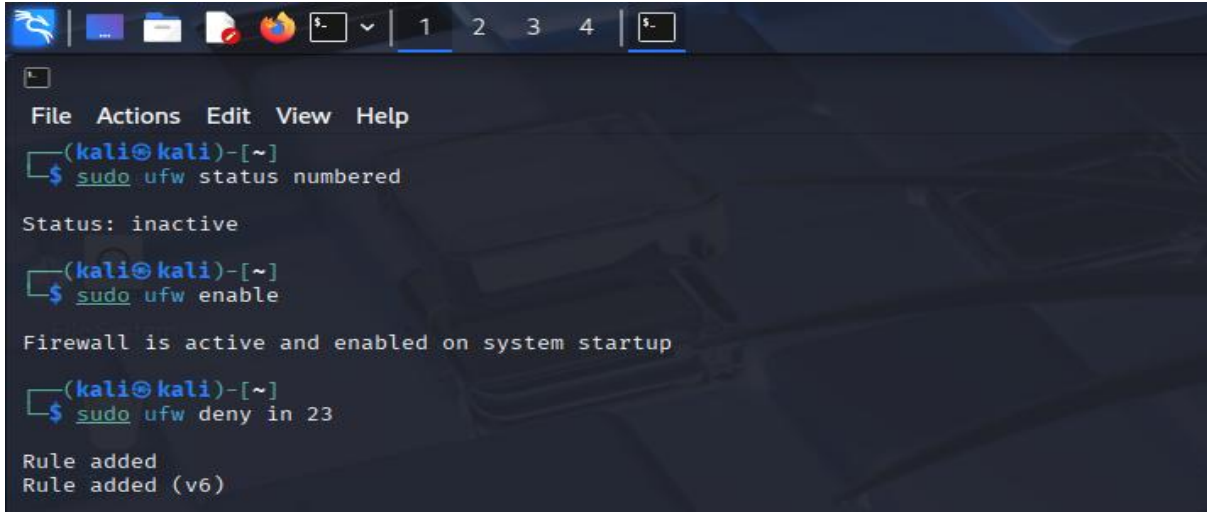## 3. Add a Rule to Block Inbound Traffic on a Specific Port (Port 23 for Telnet)

To block Telnet (port 23), the following command is used



## 4. Test the Rule by Attempting to Connect to That Port
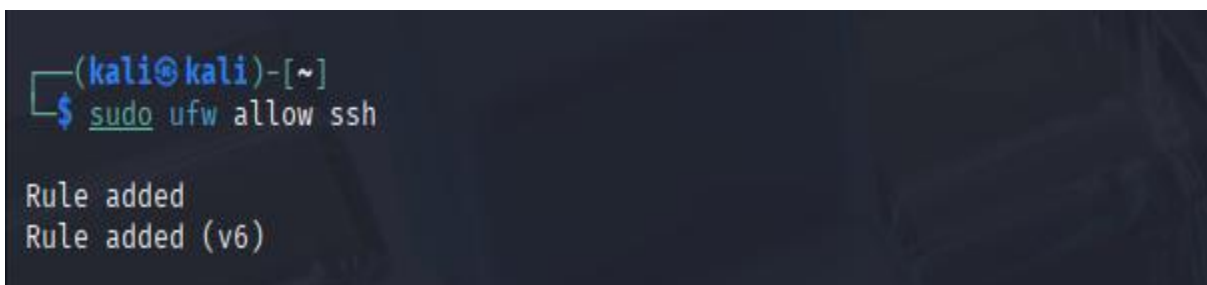
Used telnet to test if port 23 was blocked.



## 5. Allow SSH (Port 22)

To ensure SSH is allowed through the firewall

## 6. Remove the Test Block Rule to Restore Original State

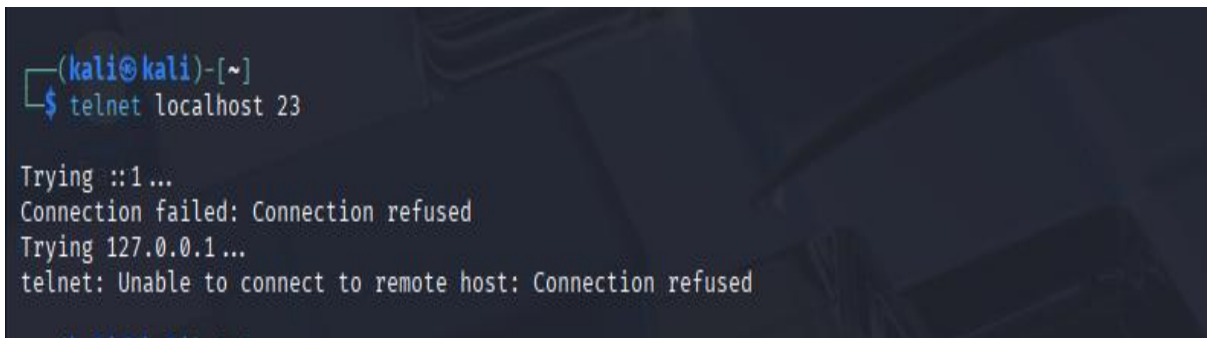To remove the Telnet block rule (Port 23), the following command is used

```
┌──(kali㉿kali)-[~]
└─$ sudo ufw status numbered

Status: active

     To                         Action       From
     --                         ------       ----
[ 1] 23                         DENY IN      Anywhere
[ 2] 22/tcp                     ALLOW IN     Anywhere
[ 3] 23 (v6)                    DENY IN      Anywhere (v6)
[ 4] 22/tcp (v6)                ALLOW IN     Anywhere (v6)


┌──(kali㉿kali)-[~]
└─$ sudo ufw delete 1

Deleting:
 deny 23
Proceed with operation (y|n)? y
Rule deleted
```

## GUI Steps Used

### Commands Executed:

sudo apt update

sudo apt install ufw

sudo ufw status numbered

sudo ufw enable

sudo ufw deny in 23

telnet localhost 23

sudo ufw allow ssh

sudo ufw delete 2