1. Installation of UFW

2. Firewall status before and after enabling

```
Preparing to unpack .../archives/ufw_0.36.2-9_all.deb ...
Unpacking ufw (0.36.2-9) ...
Setting up ufw (0.36.2-9) ...
Creating config file /etc/ufw/before.rules with new version
Creating config file /etc/ufw/before6.rules with new version
Creating config file /etc/ufw/after.rules with new version
Creating config file /etc/ufw/after6.rules with new version
update-rc.d: We have no instructions for the ufw init script.
update-rc.d: It looks like a non-network service, we enable it.
Created symlink '/etc/systemd/system/multi-user.target.wants/ufw.service' → '/usr/lib/systemd/system/ufw.service'.
Processing triggers for kali-menu (2025.3.0) ...
Processing triggers for man-db (2.13.1-1) ...
Scanning processes ...
Scanning linux images ...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.

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

┌──(kali㉿kali)-[~]
└─$ sudo ufw enable
Firewall is active and enabled on system startup

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

┌──(kali㉿kali)-[~]
└─$
```
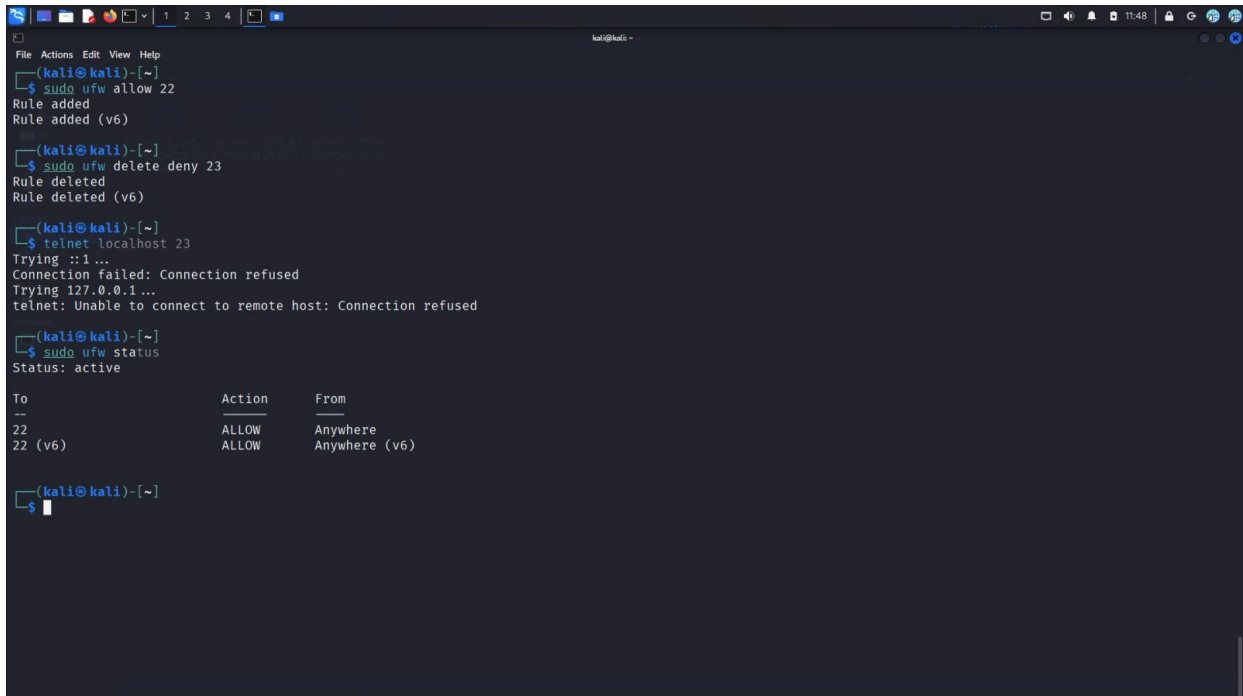
```
  limit ARGS                      add limit rule
  delete RULE|NUM                 delete RULE
  insert NUM RULE                 insert RULE at NUM
  prepend RULE                    prepend RULE
  route RULE                      add route RULE
  route delete RULE|NUM           delete route RULE
  route insert NUM RULE           insert route RULE at NUM
  reload                          reload firewall
  reset                           reset firewall
  status                          show firewall status
  status numbered                 show firewall status as numbered list of RULES
  status verbose                  show verbose firewall status
  show ARG                        show firewall report
  version                         display version information

Application profile commands:
  app list                        list application profiles
  app info PROFILE                show information on PROFILE
  app update PROFILE              update PROFILE
  app default ARG                 set default application policy


┌──(kali㉿kali)-[~]
└─$ sudo ufw deny 23
Rule added
Rule added (v6)

┌──(kali㉿kali)-[~]
└─$ telnet localhost 23
Trying ::1 ...
Connection failed: Connection refused
Trying 127.0.0.1 ...
telnet: Unable to connect to remote host: Connection refused

┌──(kali㉿kali)-[~]
└─$
```

3. Rules added and deleted

```
┌──(kali㉿kali)-[~]
└─$ sudo ufw allow 22
Rule added
Rule added (v6)

┌──(kali㉿kali)-[~]
└─$ sudo ufw delete deny 23
Rule deleted
Rule deleted (v6)

┌──(kali㉿kali)-[~]
└─$ telnet localhost 23
Trying ::1 ...
Connection failed: Connection refused
Trying 127.0.0.1 ...
telnet: Unable to connect to remote host: Connection refused

┌──(kali㉿kali)-[~]
└─$ sudo ufw status
Status: active

To                        Action       From
--                        ------       ----
22                        ALLOW        Anywhere
22 (v6)                   ALLOW        Anywhere (v6)


┌──(kali㉿kali)-[~]
└─$
```