Practical no: 8

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Aim: To perform any 5 UFW commands in Ubuntu.

1) sudo ufw status/sudo ufw status numbered
2) sudo ufw enable
3) sudo ufw deny from (IP address)
4) sudo ufw allow from (IP address)
5) sudo ufw reject from (IP address) to any
6) sudo ufw delete (number/rule)

```
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status
[sudo] password for ubuntu22:
Status: inactive
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw enable
Firewall is active and enabled on system startup
         untu22-VirtualBox:~/Desktop$ sudo ufw deny from 203.0.113.100
Rule added
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw allow from 203.0.113.100
Rule updated
ubuntu22@ubuntu22-VirtualBox:~/Desktopubuntu22@ubuntu22-VirtualBox:~/Desktopubu
ubuntu22@ubuntu22-VirtualBox:~/Deskubuntu22@ubuntu22-VirtualBox:~/Desktopubuntu
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw reject from 202.54.5.7 to any
Rule added
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status
Status: active

To                        Action      From
--                        ------      ----
Anywhere                  ALLOW       203.0.113.100
Anywhere                  REJECT      202.54.5.7

ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw allow from 202.54.5.7 to any
Rule updated
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw deny from 203.0.113.100 to any
Rule updated
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status
Status: active

To                        Action      From
```

Activities   Terminal   Nov 22 12:29

ubuntu22@ubuntu22-VirtualBox: ~/Desktop

```
Rule updated
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status
Status: active

To                      Action      From
--                      ------      ----
Anywhere                DENY        203.0.113.100
Anywhere                ALLOW       202.54.5.7

ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw deny from 202.54.1.5 to any po
rt 80
Rule added
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status numbered
Status: active

     To                      Action      From
     --                      ------      ----
[ 1] Anywhere                DENY IN     203.0.113.100
[ 2] Anywhere                ALLOW IN    202.54.5.7
[ 3] 80                      DENY IN     202.54.1.5

ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw deny proto tcp from 202.54.1.1
 to any port 80
Rule added
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo yfw status numbered
sudo: yfw: command not found
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status numbered
```

Show Applications

ubuntu22@ubuntu22-VirtualBox: ~/Desktop

```
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status numbered
Status: active

     To                      Action       From
     --                      ------       ----
[ 1] Anywhere                DENY IN      203.0.113.100
[ 2] Anywhere                ALLOW IN     202.54.5.7
[ 3] 80                      DENY IN      202.54.1.5
[ 4] 80/tcp                  DENY IN      202.54.1.1

ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw deny proto tcp from 202.54.1.0
/24 to any port 80
Rule added
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status numbered
Status: active

     To                      Action       From
     --                      ------       ----
[ 1] Anywhere                DENY IN      203.0.113.100
[ 2] Anywhere                ALLOW IN     202.54.5.7
[ 3] 80                      DENY IN      202.54.1.5
[ 4] 80/tcp                  DENY IN      202.54.1.1
[ 5] 80/tcp                  DENY IN      202.54.1.0/24

ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw delete 4
Deleting:
  deny from 202.54.1.1 to any port 80 proto tcp
Proceed with operation (y|n)? y
Rule deleted
```

Rule deleted
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw status numbered
Status: active

         To   Action   From
         --   ------   ----
[1] Anywhere   DENY IN   203.0.113.100
[2] Anywhere   ALLOW IN   202.54.5.7
[3] 80   DENY IN   202.54.1.5
[4] 80/tcp   DENY IN   202.54.1.0/24

ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw delete 4
Deleting:
 deny from 202.54.1.0/24 to any port 80 proto tcp
Proceed with operation (y|n)? y
Rule deleted
ubuntu22@ubuntu22-VirtualBox:~/Desktop$ sudo ufw delete 1,2,3
ERROR: Invalid syntax

Usage: ufw COMMAND

Commands:
 enable   enables the firewall
 disable   disables the firewall
 default ARG   set default policy
 logging LEVEL   set logging to LEVEL
 allow ARGS   add allow rule
 deny ARGS   add deny rule
 reject ARGS   add reject rule
 limit ARGS   add limit rule