

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
hashini@SAHAstra:~$ ls
```

```
internship
```

```
hashini@SAHAstra:~$ cd internship
```

```
hashini@SAHAstra:~/internship$ sudo ufw enable
```

```
[sudo] password for hashini:
```

```
sudo: ufw: command not found
```

```
hashini@SAHAstra:~/internship$ sudo apt update
```

```
Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
```

```
Hit:2 http://archive.ubuntu.com/ubuntu noble InRelease
```

```
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
```

```
Get:4 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [920 kB]
```

```
Get:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
```

```
Get:6 http://archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
```

```
Get:7 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [169 kB]
```

```
Get:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
```

```
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [7068 B]
```

```
Get:10 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [860 kB]
```

```
Get:11 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [188 kB]
```

```
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
```

```
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]
```

```
Get:14 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1235 kB]
```

```
Get:15 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [263 kB]
```

```
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
```

```
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]
```

```
Get:18 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [17.7 kB]
```

```
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [3792 B]
```

```
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
```

```
Get:21 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]
```

```
31% [6 Packages 3318 kB/15.0 MB 22%]
```

```
665 kB/s 41s^31% [6 Packages 3567 kB/15.0 MB 24%]
```

```
665 kB/s 40s^32% [6 Packages 3696 kB/15.0 MB 25%]
```

```
665 kB/s 40s^32% [6 Packages 3976 kB/15.0 MB 26%]
```

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65 kB/s 40s^33% [6 Packages 4132 kB/15.0 MB 27%]
```

```
665 kB/s 39s^34% [6 Packages 4558 kB/15.0 MB 30%]
```

```
665 kB/s 39s^35% [6 Packages 4937 kB/15.0 MB 33%]
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665 kB/s 38s^36% [6 Packages 5613 kB/15.0 MB 37%]
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345 kB/s 1min 12s^36% [6 Packages 5613 kB/15.0 MB 37%]
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345 kB/s 1min 12s^36% [6 Packages 5613 kB/15.0 MB 37%]
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ges 5613 kB/15.0 MB 37%]
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```
345 kB/s 1min 12s^37% [6 Packages 5885 kB/15.0 MB 39%]
```

```
345 kB/s 1min 11s^38% [6 Packages 6185 kB/15.0 MB 41%]
```

```
345 kB/s 1min 11s^38% [6 Packages 6362 kB/15.0 MB 42%]
```

```
345 kB/s 1min 10s^39% [6 Packages 6538 kB/15.0 MB 44%]
```

38% [6 Packages 6475 kB/15.0 MB 43%] 345 kB/s 1min 9s^40% [6 Packages 7074 kB/15.0 MB 47%] 345 kB/s 1min 10s^39% [6 Packages 6626
345 kB/s 1min 8s^40% [6 Packages 7241 kB/15.0 MB 48%]
/s 1min 18s^41% [6 Packages 7552 kB/15.0 MB 50%] 299 kB/s 1min 17s^41% [6 Pa
15.0 MB 51%] 299 kB/s 1min 17s^41% [6 Packages 7660 kB/15.0 MB 51%]
299 kB/s 1min 16s^41% [6 Packages 7739 kB/15.0 MB 51%]
299 kB/s 1min 16s^41% [6 Packages 7886 kB/15.0 MB 52%] 299 kB/s 1min 15s^42% [6 Packages 8225 kB/15.0 MB 5
ges 8118 kB/15.0 MB 54%] 299 kB/s 1min 15s^43% [6 Packages 8362 kB/15.0 MB 56%]
299 kB/s 1min 14s^43% [6 Packages 8522 kB/15.0 MB 57%]
43% [6 Packages 8587 kB/15.0 MB 57%] 299 kB/s 1min 13s^43% [6 Packages 8705
299 kB/s 1min 13s^43% [6 Packages 8705 kB/15.0 MB 58%]
240 kB/s 1min 31s^44% [6 Packages 9037 kB/15.0 MB 60%]
/s 1min 30s^44% [6 Packages 9181 kB/15.0 MB 61%] 240 kB/s 1min 29s^44% [6 Pa
15.0 MB 61%] 240 kB/s 1min 29s^45% [6 Packages 9520 kB/15.0 MB 63%]
240 kB/s 1min 28s^46% [6 Packages 9703 kB/15.0 MB 65%]
240 kB/s 1min 27s^46% [6 Packages 9918 kB/15.0 MB 66%] 240 kB/s 1min 2
ges 10.1 MB/15.0 MB 67%] 240 kB/s 1min 25s^47% [6 Packages 10.1 MB/15.0 MB 6
240 kB/s 1min 25s^47% [6 Packages 10.5 MB/15.0 MB 70%]
240 kB/s 1min 24s^48% [6 Packages 10.5 MB/15.0 MB 70%] 240
48% [6 Packages 10.6 MB/15.0 MB 71%] 240 kB/s 1min 23s^52% [6 Packages 12.7
Get:22 http://archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:24 http://archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:25 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:26 http://archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:27 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:28 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:29 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1168 kB]
Get:30 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [246 kB]
Get:31 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [161 kB]
Get:32 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]
Get:33 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1092 kB]
Get:34 http://archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [278 kB]
Get:35 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [376 kB]
Get:36 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]
Get:37 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1274 kB]
Get:38 http://archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [271 kB]

```
Setting up libnftables1:amd64 (1.0.9-1build1) ...
Setting up nftables (1.0.9-1build1) ...
Setting up libnetfilter-conntrack3:amd64 (1.0.9-6build1) ...
Setting up iptables (1.8.10-3ubuntu2) ...
update-alternatives: using /usr/sbin/iptables-legacy to provide /usr/sbin/iptables (iptables) in auto mode
update-alternatives: using /usr/sbin/ip6tables-legacy to provide /usr/sbin/ip6tables (ip6tables) in auto mode
update-alternatives: using /usr/sbin/iptables-nft to provide /usr/sbin/iptables (iptables) in auto mode
update-alternatives: using /usr/sbin/ip6tables-nft to provide /usr/sbin/ip6tables (ip6tables) in auto mode
update-alternatives: using /usr/sbin/arptables-nft to provide /usr/sbin/arptables (arptables) in auto mode
update-alternatives: using /usr/sbin/ebtables-nft to provide /usr/sbin/ebtables (ebtables) in auto mode
Setting up ufw (0.36.2-6) ...

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
Created symlink /etc/systemd/system/multi-user.target.wants/ufw.service → /usr/lib/systemd/system/ufw.service.
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Processing triggers for rsyslog (8.2312.0-3ubuntu9) ...
Processing triggers for man-db (2.12.0-4build2) ...
hashini@SAHA$ sudo ufw status
Status: inactive
hashini@SAHA$ sudo ufw enable
Firewall is active and enabled on system startup
hashini@SAHA$ sudo ufw status numbered
Status: active
hashini@SAHA$ sudo ufw deny 23
Rule added
Rule added (v6)
hashini@SAHA$ sudo ufw allow 22
Rule added
Rule added (v6)
hashini@SAHA$ sudo ufw delete deny 23
Rule deleted
Rule deleted (v6)
hashini@SAHA$ ls
hashini@SAHA$ ls
hashini@SAHA$ |
```