



## 2. use IP route command for ISP assigning IP

```
MINGW64:/c/Users/Farhan & Raiyan
[hasan@parrot]~$ dig google.com

;<> DiG 9.18.16-1~deb12u1~bpo11+1-Debian <> google.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 52381
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;google.com.                IN      A

;; ANSWER SECTION:
google.com.                 29      IN      A      142.250.193.206

;; Query time: 73 msec
;; SERVER: 192.168.0.1#53(192.168.0.1) (UDP)
;; WHEN: Sat Oct 21 22:03:23 EDT 2023
;; MSG SIZE rcvd: 55

[hasan@parrot]~$ ip route | grep default
default via 192.168.0.1 dev wlo1 proto dhcp src 192.168.0.106 metric 600

[hasan@parrot]~$ ip route
default via 192.168.0.1 dev wlo1 proto dhcp src 192.168.0.106 metric 600
192.168.0.0/24 dev wlo1 proto kernel scope link src 192.168.0.106 metric 600

[hasan@parrot]~$
```

## 3. ip a command find a private IP of machine

```
MINGW64:/c/Users/Farhan & Raiyan
[hasan@parrot]~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s25: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc fq_codel state DOWN group default qlen 1000
    link/ether c4:34:6b:25:f4:24 brd ff:ff:ff:ff:ff:ff
3: wlo1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether ac:7b:a1:72:a5:a1 brd ff:ff:ff:ff:ff:ff
    altname wlp2s0
    inet 192.168.0.106/24 brd 192.168.0.255 scope global dynamic noprefixroute wlo1
        valid_lft 85903sec preferred_lft 85903sec
    inet6 fe80::a0c7:2b6c:667c:3fde/64 scope link noprefixroute
        valid_lft forever preferred_lft forever

[hasan@parrot]~$ ifconfig wlo1
wlo1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.106 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 fe80::a0c7:2b6c:667c:3fde prefixlen 64 scopeid 0x20<link>
    ether ac:7b:a1:72:a5:a1 txqueuelen 1000 (Ethernet)
    RX packets 855009 bytes 10439279039 (9.7 GiB)
    RX errors 0 dropped 325 overruns 0 frame 0
    TX packets 3992488 bytes 500308059 (477.1 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



#### 4.change private ip of a machine using nmcli

```
MINGW64:/c/Users/Farhan & Raiyan
TX packets 3992488  bytes 500308059 (477.1 MiB)
TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[hasan@parrot]~$ sudo nmcli connection modify "H" ipv4.addresses 192.168.0.110/24
[sudo] password for hasan:
[hasan@parrot]~$ sudo nmcli connection up "H"
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/33)
[hasan@parrot]~$ nmcli connection show
NAME                UUID                                  TYPE      DEVICE
H                   305d380e-fc7e-410b-bc-77dc67b9df26  wifi      wlo1
lo                  fd470631-5585-462d-a932-86d19ee3b093  loopback  lo
Alhany-507b-94     6c3d7f7c-2b0c-48c0-b8c0-0f38e93      wifi      --
Student            b-110c8-085-4d67-8430-ab21d57a81c     wifi      --
Wired connection 1  20e76a44-773e-3508-88c9-37d45d45a27b  ethernet  --
[hasan@parrot]~$ ifconfig wlo1
wlo1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 192.168.0.110  netmask 255.255.255.0  broadcast 192.168.0.255
    inet6 fe80::a0c7:2b6c:667c:3fde  prefixlen 64  scopeid 0x20<link>
    ether ac:7b:41:07:5a:d1  txqueuelen 1000  (Ethernet)
    RX packets 8551300  bytes 10439494106 (9.7 GiB)
    RX errors 0  dropped 325  overruns 0  frame 0
    TX packets 3993563  bytes 500503751 (477.3 MiB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[hasan@parrot]~$
```

#### 5.use netstat to find open port

```
MINGW64:/c/Users/Farhan & Raiyan
[hasan@parrot]~$ sudo netstat -tulpn
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      466792/sshd:
tcp6       0      0 :::22                  :::*                    LISTEN      466792/sshd:
[hasan@parrot]~$ netstat -antp1F
(Not all processes could be identified, non-owned process info
will not be shown, you would have to be root to see it all.)
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      -
tcp        0      0 192.168.0.106:39358     142.250.206.163:443    ESTABLISHED 1530/firefox-esr
tcp        32      0 192.168.0.106:39770     13.107.213.73:443     CLOSE_WAIT 1441/clock-applet
tcp        0      0 192.168.0.106:53150     157.240.13.14:443     ESTABLISHED 1530/firefox-esr
tcp        0      376 192.168.0.106:22        192.168.0.103:50219    ESTABLISHED -
tcp        0      0 192.168.0.106:48042     157.240.13.50:443     ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.0.106:53134     157.240.13.14:443     ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.0.106:56138     142.251.42.14:443     ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.0.106:51296     198.252.206.25:443    ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.0.106:46774     142.250.194.106:443    ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.0.106:46790     142.250.194.106:443    ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.1.164:22        192.168.1.115:51697    ESTABLISHED -
tcp        0      0 192.168.0.106:51646     140.82.112.25:443     ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.0.106:53964     54.220.248.18:443     ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.0.106:60584     34.117.65.55:443     ESTABLISHED 1530/firefox-esr
tcp        0      0 192.168.0.106:40976     142.250.194.237:443    ESTABLISHED 1530/firefox-esr
```

## 6.enable port 80 and 3306 using ufw

```
MINGW64:/c/Users/Farhan & Raiyan
Firewall is active and enabled on system startup
[hasan@parrot]-[~]
$ sudo ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip
[hasan@parrot]-[~]
$ sudo ufw allow 80
Rule added
Rule added (v6)
[hasan@parrot]-[~]
$ sudo ufw allow 3306
Rule added
Rule added (v6)
[hasan@parrot]-[~]
$ sudo ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip

To Action From
--
80 ALLOW IN Anywhere
3306 ALLOW IN Anywhere
80 (v6) ALLOW IN Anywhere (v6)
3306 (v6) ALLOW IN Anywhere (v6)

[hasan@parrot]-[~]
$
```

## 7.download file md file using wget

```
Parrot Terminal
File Edit View Search Terminal Help
License GPLv3+: GNU GPL version 3 or later
<http://www.gnu.org/licenses/gpl.html>.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Originally written by Hrvoje Niksic <hniksic@xemacs.org>.
Please send bug reports and questions to <bug-wget@gnu.org>.
[hasan@parrot]-[~/Desktop]
$ wget https://github.com/durgeshsamariya/awesome-github-profile-readme-templates/blob/master/templates/100rabhcsmc.md
--2023-10-22 09:00:36-- https://github.com/durgeshsamariya/awesome-github-profile-readme-templates/blob/master/templates/100rabhcsmc.md
Resolving github.com (github.com)... 20.205.243.166
Connecting to github.com (github.com)|20.205.243.166|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 47849 (47K) [text/plain]
Saving to: '100rabhcsmc.md'

100rabhcsmc.md      100%[=====>] 48.73K  --.-KB/s   in 0.1s

2023-10-22 09:00:37 (385 KB/s) - '100rabhcsmc.md' saved [47849/47849]

[hasan@parrot]-[~/Desktop]
$
```



## 8.get data response from terminal using curl

```
MINGW64:/c/Users/Farhan & Raiyan
3306 (v6)      ALLOW IN   Anywhere (v6)

[hasan@parrot]~$ curl -IL https://google.com
HTTP/2 301
location: https://www.google.com/
content-type: text/html; charset=UTF-8
content-security-policy-report-only: object-src 'none';base-uri 'self';script-src 'nonce-bw7-Gb34l3G_oi4o0iB88A' 'strict-dynamic' 'report-sample' 'unsafe-eval' 'unsafe-inline' https: http:;report-uri https://csp.wi
thgoogle.com/csp/gws/other-hp
date: Sat, 21 Oct 2023 17:53:53 GMT
expires: Mon, 20 Nov 2023 17:53:53 GMT
cache-control: public, max-age=2592000
server: gws
content-length: 220
x-xss-protection: 0
x-frame-options: SAMEORIGIN
alt-svc: h3=":443"; ma=2592000,h3-29=":443"; ma=2592000

HTTP/2 200
content-type: text/html; charset=ISO-8859-1
content-security-policy-report-only: object-src 'none';base-uri 'self';script-src 'nonce-mSHWWF-duIKinEpyDn
cHGQ' 'strict-dynamic' 'report-sample' 'unsafe-eval' 'unsafe-inline' https: http:;report-uri https://csp.wi
thgoogle.com/csp/gws/other-hp
p3p: CP="This is not a P3P policy! See g.co/p3phelp for more info."
date: Sat, 21 Oct 2023 17:53:53 GMT
server: gws
x-xss-protection: 0
x-frame-options: SAMEORIGIN
expires: Sat, 21 Oct 2023 17:53:53 GMT
cache-control: private
set-cookie: 1P_JAR=2023-10-21-17; expires=Mon, 20-Nov-2023 17:53:53 GMT; path=/; domain=.google.com; Secure
set-cookie: AEC=Ackid1Q0yCUKgFCmh-z8JAAT1tuGGJWw1nYWsrmpl5zZuXNCB0ALpIZGUA; expires=Thu, 18-Apr-2024 17:53:
53 GMT; path=/; domain=.google.com; Secure; HttpOnly; SameSite=lax
set-cookie: NID=511=JW41KX3W4m2w_DymzPkGb7a0mcT_4tJ5jPmPNnN06G8yzZ2cUp69vIXyqezuLD7sQQ9mprk7sv4a9WEeQeBpddG
-xEGp1GH_Y1YXm9CIZNZfTRNLGnCmu0tqzIZqCFsndQBvId3DPVxB2m0E5Fhy6Xc09ayCF3Q1dkS6J1APqc; expires=Sun, 21-Apr-2
024 17:53:53 GMT; path=/; domain=.google.com; HttpOnly
alt-svc: h3=":443"; ma=2592000,h3-29=":443"; ma=2592000

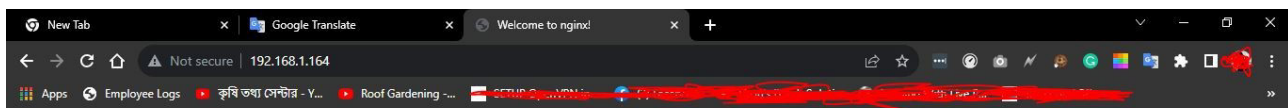
[hasan@parrot]~$
```

## 9.Install nginx

```
Parrot Terminal
File Edit View Search Terminal Help

[hasan@parrot]~/Desktop$ sudo apt update
[sudo] password for hasan: successfully installed and
Get:1 https://deb.parrot.sh/parrot lts InRelease [14.6 kB]
Get:2 https://deb.parrot.sh/parrot parrot InRelease [14.6 kB]
Hit:3 https://deb.parrot.sh/direct/parrot parrot-security InRelease
Hit:4 https://deb.parrot.sh/parrot parrot-backports InRelease
Fetched 29.2 kB in 2s (17.8 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
59 packages can be upgraded. Run 'apt list --upgradable' to see them.

[hasan@parrot]~/Desktop$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.18.0-6.1+deb11u3).
nginx set to manually installed.
The following package was automatically installed and is no longer required:
  libopengl0
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 59 not upgraded.
```



## Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*

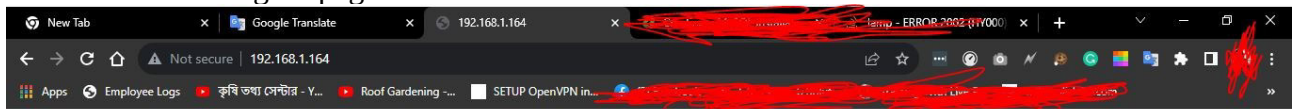
### 10. mysql access from host

```
MINGW64:/c:/Users/hasan/OneDrive/Desktop
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/run/mysqld/mysqld.sock' (2)
Enter current password for root (enter for none):
Aborting! at the moment);

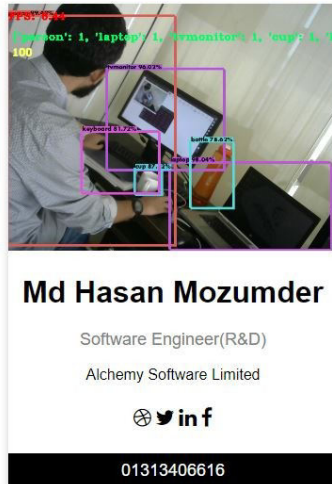
Cleaning up...
[x]-[hasan@parrot]-[~]
$ sudo mysql
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/run/mysqld/mysqld.sock' (2)
[x]-[hasan@parrot]-[~]
$ mysql -h 127.0.0.1 -P 3306 -u root
ERROR 2002 (HY000): Can't connect to MySQL server on '127.0.0.1' (115)
[x]-[hasan@parrot]-[~]
$ sudo mysql -uroot
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 32
Server version: 10.5.21-MariaDB-0+deb11u1 Debian 11

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> |
```

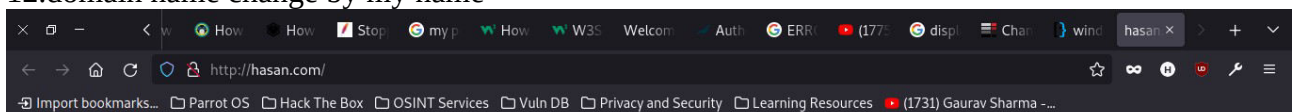
## 11. Relace default nginx page



### My Profile Card



## 12. domain name change by my name



### My Profile Card

