

UNIX511NZA Lab 3

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Checking the 'docker0' interface using the C++ program

```
aryank1511@aryanubuntu:~/Desktop/UNIX511-Seneca/Week 03/Lab03 Code$ ./output
Enter the interface name: docker0
```

Displaying the Mac Address by selecting option 01

```
Choose from the following:
1. Hardware address
2. IP address
3. Network mask
4. Broadcast address
0. Exit

1
MAC Address: 02:42:CF:C1:B7:E3
Press any key to continue:
```

Displaying the IP Address by selecting option 02

```
Choose from the following:
1. Hardware address
2. IP address
3. Network mask
4. Broadcast address
0. Exit

2
IP Address: 172.17.0.1
Press any key to continue:
```

Displaying the Network Mask by selecting option 03

Choose from the following:

1. Hardware address
2. IP address
3. Network mask
4. Broadcast address
0. Exit

3

Network Mask: 255.255.0.0

Press any key to continue: █

Displaying the Broadcast Address by selecting option 04

Choose from the following:

1. Hardware address
2. IP address
3. Network mask
4. Broadcast address
0. Exit

4

Broadcast Address: 172.17.255.255

Press any key to continue: █ I

Exiting the program by selecting option 0

Choose from the following:

1. Hardware address
2. IP address
3. Network mask
4. Broadcast address
0. Exit

0

aryank1511@aryanubuntu: ~/Desktop/UNIX511-Seneca/Week 03/Lab03 Code\$ █

Running 'ifconfig' to verify whether all the details that we got from the program are correct

```
● aryank1511@aryanubuntu:~/Desktop/UNIX511-Seneca/Week 03/Lab03 Code$ ifconfig
docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
    ether 02:42:cf:c1:b7:e3 txqueuelen 0 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```