We have installed Fedora successfully onto our desktop and configured it. Also we have performed operations to check if interfaces are working.

Testing Ping Command
[Group6@group6d ~]$ ping -c 6 google.com
PING google.com (74.125.227.163) 56(84) bytes of data.
64 bytes from dfw06s32-in-f3.1e100.net (74.125.227.163): icmp_seq=1 ttl=52 time=45.4 ms
64 bytes from dfw06s32-in-f3.1e100.net (74.125.227.163): icmp_seq=2 ttl=52 time=45.2 ms
64 bytes from dfw06s32-in-f3.1e100.net (74.125.227.163): icmp_seq=3 ttl=52 time=45.1 ms
64 bytes from dfw06s32-in-f3.1e100.net (74.125.227.163): icmp_seq=4 ttl=52 time=44.9 ms
64 bytes from dfw06s32-in-f3.1e100.net (74.125.227.163): icmp_seq=5 ttl=52 time=45.2 ms
64 bytes from dfw06s32-in-f3.1e100.net (74.125.227.163): icmp_seq=6 ttl=52 time=45.3 ms
--- google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5006ms
rtt min/avg/max/mdev = 44.986/45.226/45.423/0.279 ms

IFCONFIG
[Group6@group6d ~]$ ifconfig
em1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 192.168.1.16 netmask 255.255.255.0 broadcast 192.168.1.255
        inet6 fe80::be30:5bff:fee0:6d75 prefixlen 64 scopeid 0x20<link>
        ether bc:30:5b:e0:6d:75 txqueuelen 1000 (Ethernet)
        RX packets 557222 bytes 644113800 (614.2 MiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 308178 bytes 34909722 (33.2 MiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
        device interrupt 17

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
        loop txqueuelen 0 (Local Loopback)
        RX packets 189 bytes 24115 (23.5 KiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 189 bytes 24115 (23.5 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

vboxnet0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 192.168.106.1 netmask 255.255.255.0 broadcast 192.168.106.255
        inet6 fe80::800:27ff:fe00:0 prefixlen 64 scopeid 0x20<link>
        ether 0a:00:27:00:00:00 txqueuelen 1000 (Ethernet)
        RX packets 0 bytes 0 (0.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0

TX packets 1734 bytes 519338 (507.1 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

vboxnet1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 192.168.116.1 netmask 255.255.255.0 broadcast 192.168.116.255
        inet6 fe80::800:27ff:fe00:1 prefixlen 64 scopeid 0x20<link>
        ether 0a:00:27:00:00:01 txqueuelen 1000 (Ethernet)
        RX packets 0 bytes 0 (0.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 1331 bytes 425501 (415.5 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

Display Routing Table
[Group6@group6d ~]$ route -n
Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
0.0.0.0	192.168.1.254	0.0.0.0	UG	0	0	0	em1
192.168.1.0	0.0.0.0	255.255.255.0	U	1	0	0	em1
192.168.106.0	0.0.0.0	255.255.255.0	U	0	0	0	vboxnet0
192.168.116.0	0.0.0.0	255.255.255.0	U	0	0	0	vboxnet1

Group6@group6d:~

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```
[Group6@group6d ~]$ ping -c 6 google.com
PING google.com (74.125.227.167) 56(84) bytes of data.
64 bytes from dfw06s32-in-f7.1e100.net (74.125.227.167): icmp_seq=1 ttl=52 time=45.4 ms
64 bytes from dfw06s32-in-f7.1e100.net (74.125.227.167): icmp_seq=2 ttl=52 time=45.0 ms
64 bytes from dfw06s32-in-f7.1e100.net (74.125.227.167): icmp_seq=3 ttl=52 time=45.2 ms
64 bytes from dfw06s32-in-f7.1e100.net (74.125.227.167): icmp_seq=4 ttl=52 time=44.8 ms
64 bytes from dfw06s32-in-f7.1e100.net (74.125.227.167): icmp_seq=5 ttl=52 time=45.3 ms
64 bytes from dfw06s32-in-f7.1e100.net (74.125.227.167): icmp_seq=6 ttl=52 time=44.9 ms

--- google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5006ms
rtt min/avg/max/mdev = 44.866/45.157/45.477/0.277 ms
[Group6@group6d ~]$
```

Group6@group6d:~

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```
[Group6@group6d ~]$ ifconfig
em1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.1.16  netmask 255.255.255.0  broadcast 192.168.1.255
        inet6 fe80::be30:5bff:fee0:6d75  prefixlen 64  scopeid 0x20<link>
        ether bc:30:5b:e0:6d:75  txqueuelen 1000  (Ethernet)
        RX packets 557222  bytes 644113800 (614.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 308178  bytes 34909722 (33.2 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 17

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 0  (Local Loopback)
        RX packets 189  bytes 24115 (23.5 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 189  bytes 24115 (23.5 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

vboxnet0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.106.1  netmask 255.255.255.0  broadcast 192.168.106.255
        inet6 fe80::800:27ff:fe00:0  prefixlen 64  scopeid 0x20<link>
        ether 0a:00:27:00:00:00  txqueuelen 1000  (Ethernet)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1734  bytes 519338 (507.1 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

vboxnet1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.116.1  netmask 255.255.255.0  broadcast 192.168.116.255
        inet6 fe80::800:27ff:fe00:1  prefixlen 64  scopeid 0x20<link>
        ether 0a:00:27:00:00:01  txqueuelen 1000  (Ethernet)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1331  bytes 425501 (415.5 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[Group6@group6d ~]$
```

Group6@group6d:~

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```
[Group6@group6d ~]$ route -n
Kernel IP routing table
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
0.0.0.0         192.168.1.254   0.0.0.0         UG    0      0        0 em1
192.168.1.0     0.0.0.0         255.255.255.0   U     1      0        0 em1
192.168.106.0   0.0.0.0         255.255.255.0   U     0      0        0 vboxnet0
192.168.116.0   0.0.0.0         255.255.255.0   U     0      0        0 vboxnet1
[Group6@group6d ~]$
```