Task 1

	<u>A</u> dapter	DHCP Server			
	<u>E</u> nable Server				
	Server Add <u>r</u> ess Server <u>M</u> ask		192.168.77.254		
1			255.255.255.0		
	<u>L</u> ower	Address Bound	192.168.77.2		
	<u>U</u> pper i	Address Bound	192.168.77.253		
				Apply	Reset
Adapter DHCP Server Configure Adapter Automatically					
	Configure	re Adapter <u>M</u> ar	ually		
IPv4 Address: 192.168.77.1 IPv4 Network Mask: 255.255.255.0 IPv6 Address: fe80::ccc2:f5b6:61be:ef78		v4 Address: 1	92.168.77.1		
	IPv6 Pr	efix <u>L</u> ength: 6	4		
				Apply	Reset

ip ad:

```
root@um1:"# iptables -L -v
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out source destination
Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out source destination
Chain OUTPUT (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out source destination
root@um1:"#
```

Vm4 --> vm3 ping and ssh:

```
debian@um4: \(^\mathbb{S}\) ping 10.3.4.103

PING 10.3.4.103 (10.3.4.103) 56(84) bytes of data.

64 bytes from 10.3.4.103: icmp_seq=1 ttl=64 time=0.687 ms

64 bytes from 10.3.4.103: icmp_seq=2 ttl=64 time=0.457 ms

64 bytes from 10.3.4.103: icmp_seq=3 ttl=64 time=0.458 ms

64 bytes from 10.3.4.103: icmp_seq=3 ttl=64 time=0.267 ms

64 bytes from 10.3.4.103: icmp_seq=4 ttl=64 time=0.267 ms

65 bytes from 10.3.4.103 ping statistics ---

66 bytes transmitted, 4 received, 0% packet loss, time 76ms

67 rtt min/aug/max/mdev = 0.267/0.467/0.687/0.149 ms

68 debian@um4: \(^\maxsimega\) sh 10.3.4.103

Fed authenticity of host '10.3.4.103 (10.3.4.103)' can't be established.

ECDSA key fingerprint is SHA256:rQOnQFsZUkdB4g+EYKicOUoek40JA+Nkc+1jJ/duMf4.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added '10.3.4.103' (ECDSA) to the list of known hosts.

debian@10.3.4.103's password:

Linux um3 4.19.0-8-amd64 #1 SMP Debian 4.19.98-1 (2020-01-26) x86_64

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the exact distribution terms for each program are described in the

individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent

permitted by applicable law.

Last login: Wed May 19 15:45:13 2021

debian@vm3: \(^\mathrm{S}\)
```

Vm3 block vm4:

Block ssh:

```
root@um3:~# iptables -I INPUT -p tcp --dport ssh -j DROP -i eth1
root@um3:~# _

debian@um4:~$ ssh 10.3.4.103
ssh: connect to host 10.3.4.103 port 22: Connection timed out
```

Vm3 --> block vm2

```
root@um3:~# iptables -I INPUT -p tcp --dport ssh -j DROP -i eth0
root@um3:~# iptables -I INPUT -p icmp -j DROP -i eth0
```

Vm1 --> ping vm4 will work fine as vm3 doesn't block forwarding packets