

Commands:

1. `ifconfig`
2. `ping www.google.com`
3. `ls`
4. `pwd`
5. `adduser Georgia`
6. `adduser georgia sudo`
7. `touch myfile - empty file`
8. `chmod 700 myfile`
9. `cat myfile`
10. `grep September myfile`
11. `sed`
12. `awk`
13. `service apache2 start`
14. `route` The route command output tells us that the default gateway is 192.168.20.1
15. `netstat` network connections, listening ports
16. Netcat connect to a port to see if that port is listening for connections.
`nc -v 192.168.20.9 80`
17.

```
#!/usr/bin/python
import socket
ip = raw_input("Enter the ip: ")
port = input("Enter the port: ")
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
if s.connect_ex((ip, port)):
    print "Port", port, "is closed"
else:
    print "Port", port, "is open"
```