

```
C:\Users\brand\OneDrive - stevens.edu\CPE 322>hostname
DESKTOP-T4HMG2N

C:\Users\brand\OneDrive - stevens.edu\CPE 322>env
!::=:\\
!C:=C:\Users\brand\OneDrive - stevens.edu\CPE 322
!ExitCode=00000000
ALLUSERSPROFILE=C:\ProgramData
APPDATA=C:\Users\brand\AppData\Roaming
bin=C:\msys64\usr\bin
COMMONPROGRAMFILES=C:\Program Files\Common Files
CommonProgramFiles(x86)=C:\Program Files (x86)\Common Files
CommonProgramW6432=C:\Program Files\Common Files
COMPUTERNAME=DESKTOP-T4HMG2N
COMSPEC=C:\Windows\system32\cmd.exe
DriverData=C:\Windows\System32\Drivers\DriverData
GOPATH=C:\Users\brand\go
HOMEDRIVE=C:
HOMEPATH=\Users\brand
IGCCSVC_DB=AQAAANCMnd8BFdERjHoAwE/Cl+sBAAAFSWLmjxcT0iuSwaqu4wnIwQAA/
MdeodVXhm8Wo3/CFSUETGSgxo0uX5LlwQlGJh78+1qdZ6hDBFiJGmxQp83lnuvQmSBw9l
hNQ==
LOCAL APPDATA=C:\Users\brand\AppData\Local
```

```

C:\Users\brand\OneDrive - stevens.edu\CPE 322>ps
  PID    PPID    PGID      WINPID    TTY      UID      STIME  COMMAND
   628        1     628       4820  cons0    197609  14:46:49 /usr/bin/ps

C:\Users\brand\OneDrive - stevens.edu\CPE 322>pwd
/c/Users/brand/OneDrive - stevens.edu/CPE 322

C:\Users\brand\OneDrive - stevens.edu\CPE 322>git clone https://github.com/kevi
Cloning into 'iot'...
remote: Enumerating objects: 21588, done.
remote: Counting objects: 100% (2637/2637), done.
remote: Compressing objects: 100% (785/785), done.
remote: Total 21588 (delta 1480), reused 2580 (delta 1444), pack-reused 18951
Receiving objects: 100% (21588/21588), 28.26 MiB | 26.19 MiB/s, done.
Resolving deltas: 100% (14179/14179), done.

C:\Users\brand\OneDrive - stevens.edu\CPE 322>cd iot

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot>ls
README.md  apps  cases  economics  health  hype  lesson1  lesson10  lesson2  le

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot>cd
C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot>df
Filesystem      1K-blocks      Used Available Use% Mounted on
C:/msys64      478862332 390995248  87867084  82% /

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot>mkdir demo

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot>cd demo

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>nano file

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>cat file
Hello World

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>cp file file1

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>mv file file2

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>rm file2

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>clear

```

```
C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>man uname
'man' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>uname
MSYS_NT-10.0-19045

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>uname -a
MSYS_NT-10.0-19045 DESKTOP-T4HMG2N 3.3.6-341.x86_64 2022-12-09 18:33 UTC x86_64 Msys

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>ifconfig
'ifconfig' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>ipconfig

Windows IP Configuration


Ethernet adapter Ethernet 2:


    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :


Unknown adapter McAfee VPN:


    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::6682:dac6:a85a:103a%12
    IPv4 Address. . . . . : 169.254.123.240
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . :


Wireless LAN adapter Local Area Connection* 1:


    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :


Wireless LAN adapter Local Area Connection* 2:


    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :


Wireless LAN adapter Wi-Fi:


    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::db9d:93f4:58dc:5b02%13
    IPv4 Address. . . . . : 192.168.1.160
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1


Ethernet adapter Bluetooth Network Connection:


    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :


C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>
```

```
C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>ping localhost
```

```
Pinging DESKTOP-T4HMG2N [::1] with 32 bytes of data:
```

```
Reply from ::1: time<1ms
```

```
Reply from ::1: time<1ms
```

```
Reply from ::1: time<1ms
```

```
Reply from ::1: time<1ms
```

```
Ping statistics for ::1:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\Users\brand\OneDrive - stevens.edu\CPE 322\iot\demo>netstat
```

```
Active Connections
```

Proto	Local Address	Foreign Address	State
TCP	127.0.0.1:49674	DESKTOP-T4HMG2N:49675	ESTABLISHED
TCP	127.0.0.1:49675	DESKTOP-T4HMG2N:49674	ESTABLISHED
TCP	127.0.0.1:49681	DESKTOP-T4HMG2N:49783	ESTABLISHED
TCP	127.0.0.1:49689	DESKTOP-T4HMG2N:49753	ESTABLISHED
TCP	127.0.0.1:49690	DESKTOP-T4HMG2N:49691	ESTABLISHED
TCP	127.0.0.1:49691	DESKTOP-T4HMG2N:49690	ESTABLISHED
TCP	127.0.0.1:49699	DESKTOP-T4HMG2N:49724	ESTABLISHED
TCP	127.0.0.1:49699	DESKTOP-T4HMG2N:49725	ESTABLISHED
TCP	127.0.0.1:49699	DESKTOP-T4HMG2N:49728	ESTABLISHED
TCP	127.0.0.1:49699	DESKTOP-T4HMG2N:49729	ESTABLISHED
TCP	127.0.0.1:49699	DESKTOP-T4HMG2N:49732	ESTABLISHED
TCP	127.0.0.1:49699	DESKTOP-T4HMG2N:49762	ESTABLISHED
TCP	127.0.0.1:49703	DESKTOP-T4HMG2N:49704	ESTABLISHED
TCP	127.0.0.1:49704	DESKTOP-T4HMG2N:49703	ESTABLISHED
TCP	127.0.0.1:49705	DESKTOP-T4HMG2N:61900	ESTABLISHED
TCP	127.0.0.1:49706	DESKTOP-T4HMG2N:49707	ESTABLISHED
TCP	127.0.0.1:49707	DESKTOP-T4HMG2N:49706	ESTABLISHED
TCP	127.0.0.1:49708	DESKTOP-T4HMG2N:49709	ESTABLISHED
TCP	127.0.0.1:49709	DESKTOP-T4HMG2N:49708	ESTABLISHED
TCP	127.0.0.1:49710	DESKTOP-T4HMG2N:61900	ESTABLISHED
TCP	127.0.0.1:49711	DESKTOP-T4HMG2N:49712	ESTABLISHED
TCP	127.0.0.1:49712	DESKTOP-T4HMG2N:49711	ESTABLISHED
TCP	127.0.0.1:49713	DESKTOP-T4HMG2N:49714	ESTABLISHED
TCP	127.0.0.1:49714	DESKTOP-T4HMG2N:49713	ESTABLISHED
TCP	127.0.0.1:49715	DESKTOP-T4HMG2N:61900	ESTABLISHED
TCP	127.0.0.1:49716	DESKTOP-T4HMG2N:49717	ESTABLISHED
TCP	127.0.0.1:49717	DESKTOP-T4HMG2N:49716	ESTABLISHED
TCP	127.0.0.1:49724	DESKTOP-T4HMG2N:49699	ESTABLISHED