Chapter 0

1. **la -ls**(there is no **la** command in Linux), **more -q file1**(there is no **-q** option to the more command), **lsblk-a**(there has to be a space between the **lsblk** command and its option **-a**).

2. There has to be a space character separating those components.

3. There are special characters, usually redirection procedures signified by the **>** or **|** characters, interposed between the parts of a multiple command.

4. Before you execute the command, you should know exactly what it’s supposed to accomplish, and then after execution, you can examine the results to see if they match what you expected to happen. Sometimes that’s very difficult, or impossible, to determine.

5. No answer required.

6. The general form is- **cat file1 file2 > output\_file**

7. No answer required.

8. No answer required.

9. No answer required.

10. No answer required.

11. No answer required.

12. On a Raspberry Pi 400 running the latest OS at the time of the writing of this book-

Of course bash is available, and is the default shell.

bob@raspberrypi:~ $ **whereis ksh**

ksh: /usr/bin/ksh /usr/share/man/man1/ksh.1.gz

bob@raspberrypi:~ $ **whereis sh**

sh: /usr/bin/sh /usr/share/man/man1/sh.1posix.gz /usr/share/man/man1/sh.1.gz

bob@raspberrypi:~ $ **whereis csh**

csh: /usr/bin/csh /usr/share/man/man1/csh.1.gz

bob@raspberrypi:~ $ **whereis zsh**

zsh: /usr/share/zsh

13. On our Raspberry Pi 400-

bob@raspberrypi:~ $ **who --all**

system boot 1969-12-31 16:00

bob + tty7 2023-10-04 14:53 old 774 (:0)

run-level 5 2023-10-04 14:53

bob - tty1 2023-10-04 14:53 old 1818

pts/0 2023-10-05 11:08 4781 id=ts/0 term=0 exit=0

14. On our Raspberry Pi 400-

bob@raspberrypi:~ $ **hostname -I**

192.168.1.2

bob@raspberrypi:~ $ **ip addr**

1: lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid\_lft forever preferred\_lft forever

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc mq state UP group default qlen 1000

link/ether dc:a6:32:ee:c6:6b brd ff:ff:ff:ff:ff:ff

inet 192.168.1.2/24 brd 192.168.1.255 scope global dynamic noprefixroute eth0

valid\_lft 49347sec preferred\_lft 38547sec

inet6 fe80::78d9:c72e:75e2:82c/64 scope link

valid\_lft forever preferred\_lft forever

3: wlan0: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000

link/ether dc:a6:32:ee:c6:6c brd ff:ff:ff:ff:ff:ff