



somey@madjocker-VirtualBox: ~/Documents



```
somey@madjocker-VirtualBox:~/Documents$ cd ..
```

```
somey@madjocker-VirtualBox:~$ ls
```

```
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
```

```
somey@madjocker-VirtualBox:~$ cd Documents/
```

```
somey@madjocker-VirtualBox:~/Documents$ cat > new
```

A shell script is a computer program designed to be run by the Unix/Linux shell which could be one of the following:

- The Bourne Shell

- The C Shell

- The Korn Shell

- The GNU Bourne-Again Shell

A shell is a command-line interpreter and typical operations performed by shell scripts include file manipulation, program execution, and printing text.

```
^C
```

```
somey@madjocker-VirtualBox:~/Documents$ cat new
```

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```
somey@madjocker-VirtualBox:~/Documents$
```

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somey@madjocker-VirtualBox: ~/Documents 🔍 ☰ — □ ×

### The GNU Bourne-Again Shell

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^C  
somey@madjocker-VirtualBox:~/Documents\$ cat new

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somey@madjocker-VirtualBox:~/Documents\$ grep -inw "Shell" new

```
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somey@madjocker-VirtualBox:~/Documents$ grep -vinw "Shell" new
2:
7:
somey@madjocker-VirtualBox:~/Documents$
```

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somey@madjocker-VirtualBox: ~/Documents/NEW\_FOLDER

```
somey@madjocker-VirtualBox:~/Documents$ ls
new  NEW_FOLDER
somey@madjocker-VirtualBox:~/Documents$ cd NEW_FOLDER/
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$ touch file1
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$ touch file2
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$ touch new1
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$ touch new2
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$ ls grep "^f" | tee F_files
ls: cannot access 'grep': No such file or directory
ls: cannot access '^f': No such file or directory
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$ ls | grep "^f" | tee F_files
file1
file2
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$ cat F_files
file1
file2
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$ ls -l | grep "^."
-rw-rw-r-- 1 somey somey 12 Dec 14 00:03 F_files
-rw-rw-r-- 1 somey somey  0 Dec 14 00:01 file1
-rw-rw-r-- 1 somey somey  0 Dec 14 00:01 file2
-rw-rw-r-- 1 somey somey  0 Dec 14 00:01 new1
-rw-rw-r-- 1 somey somey  0 Dec 14 00:01 new2
somey@madjocker-VirtualBox:~/Documents/NEW_FOLDER$
```

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somey@madjocker-VirtualBox: ~/Documents

```
somey@madjocker-VirtualBox:~/Documents$ cat list
A B C D E D
1 2 3 4 5 6
7 8 9 0 1 2
3 4 5 6 7 8
9 0 1 2 3 4
5 6 7 8 9 0
somey@madjocker-VirtualBox:~/Documents$ cut -d " " -f 2 list
B
2
8
4
0
6
somey@madjocker-VirtualBox:~/Documents$ cut -d " " -f 2,3 list
B C
2 3
8 9
4 5
0 1
6 7
somey@madjocker-VirtualBox:~/Documents$ cut -d " " -f 2-4 list | tail -3
4 5 6
0 1 2
6 7 8
somey@madjocker-VirtualBox:~/Documents$ awk '{if(NR==3) print $0}' list
7 8 9 0 1 2
somey@madjocker-VirtualBox:~/Documents$
```



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```
somey@madjocker-VirtualBox:~/Documents$ sort new
```

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- The Korn Shell

```
somey@madjocker-VirtualBox:~/Documents$ uniq -D new
```

```
somey@madjocker-VirtualBox:~/Documents$ sort -r new > desc
```

[illegible]

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somey@madjocker-VirtualBox: ~/Documents

The Bourne Shell  
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A shell is a command-line interpreter and typical operations performed by shell scripts include file manipulation, program execution, and printing text.

```
somey@madjocker-VirtualBox:~/Documents$ cat new
ABC DEF
GHI JKL
MNO PQR
STU VWX
somey@madjocker-VirtualBox:~/Documents$ cut -d " " -f 1 new > first_name
somey@madjocker-VirtualBox:~/Documents$ cat first_name
ABC
GHI
MNO
STU
somey@madjocker-VirtualBox:~/Documents$ tail -2 new
MNO PQR
STU VWX
somey@madjocker-VirtualBox:~/Documents$ cat >> new
yz^C
somey@madjocker-VirtualBox:~/Documents$ cut -d " " -f 1,2 new
ABC DEF
GHI JKL
MNO PQR
STU VWX
somey@madjocker-VirtualBox:~/Documents$
```