

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ egrep -i 'town|union' mountainList.txt
    Brasstown Bald, (summit),4784,feet,Union County
    Hightower Bald, (summit),4568,feet,Towns County
Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
    Blood Mountain, (summit),4458,feet,Union County
Tray Mountain, (summit), 4430,feet,Towns County
Slaughter Mountain, (summit),4338,feet,Union County
Coosa Bald, (summit),4280,feet,Union County
```

1)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ egrep -i 'town|union' mountainList.txt | wc
      7      32      367
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ egrep -i 'town|union' mountainList.txt | wc -l
7
```

2)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ man grep
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ egrep -i 'town|union' mountainList.txt -c
7
```

3)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed s/ridge high point/r.h.p./p mountainList.txt
sed: -e expression #1, char 7: unterminated `s' command
```

4)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed 's/ridge high point/r.h.p./p' mountainList.txt
    Brasstown Bald, (summit),4784,feet,Union County

Rabun Bald, (summit),4696,feet,Rabun County

Dick's Knob, (summit),4620,feet,Rabun County

    Hightower Bald, (summit),4568,feet,Towns County

Wolfpen Ridge, (r.h.p.),4561,feet,Towns and Union
Wolfpen Ridge, (r.h.p.),4561,feet,Towns and Union

Counties

    Blood Mountain, (summit),4458,feet,Union County

Tray Mountain, (summit), 4430,feet,Towns County

    Grassy Ridge, (r.h.p.),4420,feet,Rabun County
    Grassy Ridge, (r.h.p.),4420,feet,Rabun County

Slaughter Mountain, (summit),4338,feet,Union County

Double Spring Knob, (summit),4280,feet,Rabun County

Coosa Bald, (summit),4280,feet,Union County

[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed -n 's/ridge high point/r.h.p./p' mountainList.txt
Wolfpen Ridge, (r.h.p.),4561,feet,Towns and Union
    Grassy Ridge, (r.h.p.),4420,feet,Rabun County
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$
```

-n in sed stops all the lines from being printed and instead prints the lines that have been changed

In the command in (B) we have

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ man sed
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed -e 's/^[ ]*//p' mountainList.txt
Brasstown Bald, (summit),4784,feet,Union County
Brasstown Bald, (summit),4784,feet,Union County
```

```
Rabun Bald, (summit),4696,feet,Rabun County
Rabun Bald, (summit),4696,feet,Rabun County
```

```
Dick's Knob, (summit),4620,feet,Rabun County
Dick's Knob, (summit),4620,feet,Rabun County
```

```
Hightower Bald, (summit),4568,feet,Towns County
Hightower Bald, (summit),4568,feet,Towns County
```

5)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed -e 's/^[ ]*//p' mountainList.txt -n >> newList.txt
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ cat newList
cat: newList: No such file or directory
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ cat newList.txt
Brasstown Bald, (summit),4784,feet,Union County
```

```
Rabun Bald, (summit),4696,feet,Rabun County
```

```
Dick's Knob, (summit),4620,feet,Rabun County
```

```
Hightower Bald, (summit),4568,feet,Towns County
```

```
Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
Counties
```

```
Blood Mountain, (summit),4458,feet,Union County
```

```
Tray Mountain, (summit), 4430,feet,Towns County
```

```
Grassy Ridge, (ridge high point),4420,feet,Rabun County
```

```
Slaughter Mountain, (summit),4338,feet,Union County
```

```
Double Spring Knob, (summit),4280,feet,Rabun County
```

6)

```
Coosa Bald, (summit),4280,feet,Union County
```

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ egrep '^ +' mountainList.txt
```

```
Brasstown Bald, (summit),4784,feet,Union County
```

```
Hightower Bald, (summit),4568,feet,Towns County
```

```
Blood Mountain, (summit),4458,feet,Union County
```

```
Grassy Ridge, (ridge high point),4420,feet,Rabun County
```

7)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed '/.*Union.*/d' mountainList.txt
```

Rabun Bald, (summit),4696,feet,Rabun County

Dick's Knob, (summit),4620,feet,Rabun County

Hightower Bald, (summit),4568,feet,Towns County

Counties

Tray Mountain, (summit), 4430,feet,Towns County

Grassy Ridge, (ridge high point),4420,feet,Rabun County

Double Spring Knob, (summit),4280,feet,Rabun County

8)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed -r 's/,.*,/,/g' mountainList.txt
```

Brasstown Bald,Union County

Rabun Bald,Rabun County

Dick's Knob,Rabun County

Hightower Bald,Towns County

Wolfpen Ridge,Towns and Union

Counties

Blood Mountain,Union County

Tray Mountain,Towns County

Grassy Ridge,Rabun County

Slaughter Mountain,Union County

Double Spring Knob,Rabun County

Coosa Bald,Union County

9)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$
```

10)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed '1 i\
Eleven highest mountains in Georgia' mountainList.txt
Eleven highest mountains in Georgia
    Brasstown Bald, (summit),4784,feet,Union County

Rabun Bald, (summit),4696,feet,Rabun County

Dick's Knob, (summit),4620,feet,Rabun County
```

11)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sort mountainList.txt
```

```

    Blood Mountain, (summit),4458,feet,Union County
    Brasstown Bald, (summit),4784,feet,Union County
Coosa Bald, (summit),4280,feet,Union County
Counties
Dick's Knob, (summit),4620,feet,Rabun County
Double Spring Knob, (summit),4280,feet,Rabun County
    Grassy Ridge, (ridge high point),4420,feet,Rabun County
    Hightower Bald, (summit),4568,feet,Towns County
Rabun Bald, (summit),4696,feet,Rabun County
Slaughter Mountain, (summit),4338,feet,Union County
Tray Mountain, (summit), 4430,feet,Towns County
Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$
```

12)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ grep -oh "[0-9]*" mountainList.txt | sort |xargs -I {} sh -c 'grep {} mountainList.txt'
Double Spring Knob, (summit),4280,feet,Rabun County
Coosa Bald, (summit),4280,feet,Union County
Double Spring Knob, (summit),4280,feet,Rabun County
Coosa Bald, (summit),4280,feet,Union County
Slaughter Mountain, (summit),4338,feet,Union County
    Grassy Ridge, (ridge high point),4420,feet,Rabun County
Tray Mountain, (summit), 4430,feet,Towns County
    Blood Mountain, (summit),4458,feet,Union County
Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
    Hightower Bald, (summit),4568,feet,Towns County
Dick's Knob, (summit),4620,feet,Rabun County
Rabun Bald, (summit),4696,feet,Rabun County
    Brasstown Bald, (summit),4784,feet,Union County
```

13)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$
```

14)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed -E 's/(Union)\s(County)/\1:\2/g' mountainList.txt
Brasstown Bald, (summit),4784,feet,Union:County

Rabun Bald, (summit),4696,feet,Rabun County

Dick's Knob, (summit),4620,feet,Rabun County

Hightower Bald, (summit),4568,feet,Towns County

Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
Counties

Blood Mountain, (summit),4458,feet,Union:County

Tray Mountain, (summit), 4430,feet,Towns County

Grassy Ridge, (ridge high point),4420,feet,Rabun County

Slaughter Mountain, (summit),4338,feet,Union:County

Double Spring Knob, (summit),4280,feet,Rabun County

Coosa Bald, (summit),4280,feet,Union:County

[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$
```

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab4]$ sed -E 's/(.*), (.*),(.*),(.*)/\1, \4/g' mountainList.txt
Brasstown Bald, Union County

Rabun Bald, Rabun County

Dick's Knob, Rabun County

Hightower Bald, Towns County

Wolfpen Ridge, Towns and Union
Counties

Blood Mountain, Union County

Tray Mountain, (summit), Towns County

Grassy Ridge, Rabun County

Slaughter Mountain, Union County

Double Spring Knob, Rabun County

Coosa Bald, Union County
```

15)