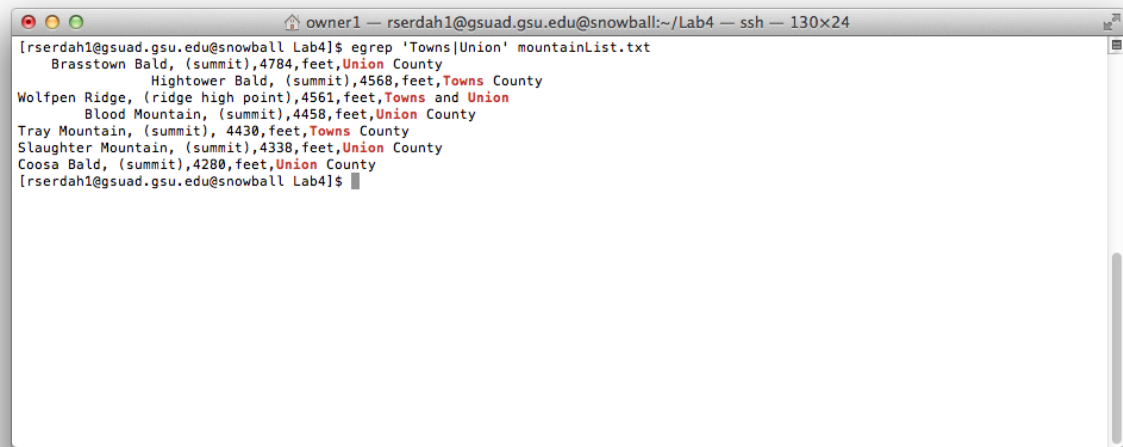



Lab 4

Ramey Serdah



```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ egrep 'Towns|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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

1.



```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ grep 'Rabun' mountainList.txt | wc -l
4
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

2.



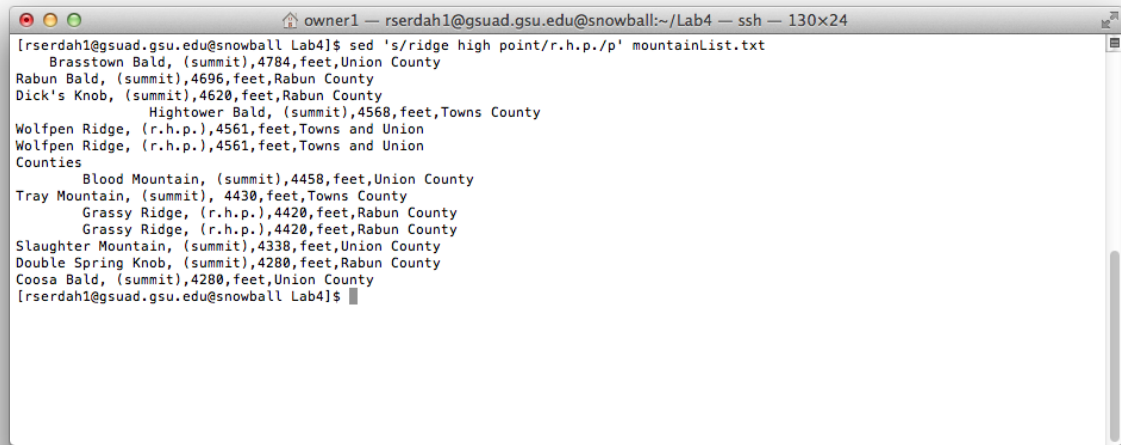
A terminal window titled "owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24". The terminal shows a command being executed: `[rserdah1@gsuad.gsu.edu@snowball Lab4]$ grep -c 'Rabun' mountainList.txt`. The output of the command is the number `4`. The prompt `[rserdah1@gsuad.gsu.edu@snowball Lab4]$` is shown again on the next line.

```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ grep -c 'Rabun' mountainList.txt
4
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

3.

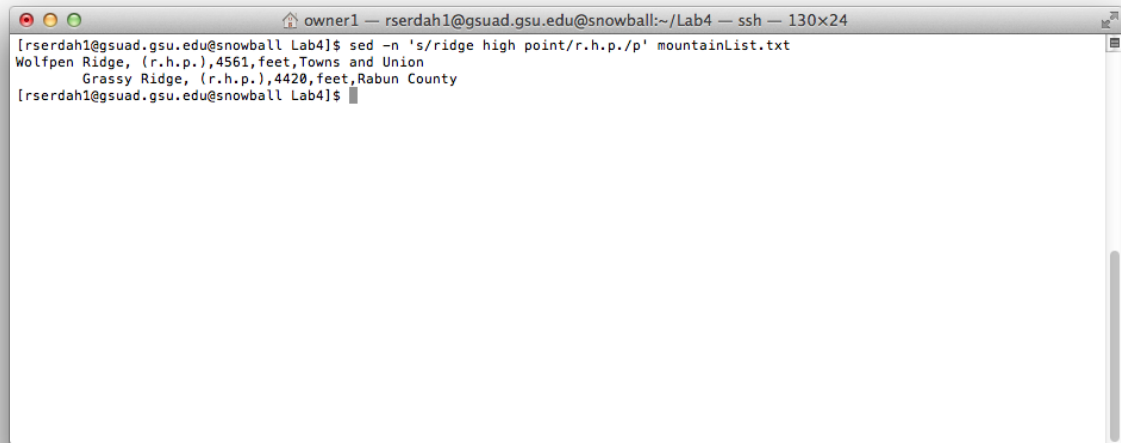
4.

a.



```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

b.



```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

c. The -n option prevents printing of the unaffected lines.

d. The sed command in B replaces any instances of “ridge high point” with “r.h.p.” and then prints the matched lines.

```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ sed 's/^[ \t]*///' 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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

5.

```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ sed 's/^[ \t]*///' mountainList.txt > newList.txt
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

6.

7. A

```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ sed '/Union County/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
Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

8.

```
owner1 — rserdah1@gsuad.gsu.edu@snowball:~/Lab4 — ssh — 130x24
[rserdah1@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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

9.

10.

```
rserdah1@gsuad.gsu.edu@snowball:~/Lab4
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ awk 'BEGIN {FS=","} ; {print $1, " $5}' mountainList.txt
Brasstown Bald, Union County
Rabun Bald, Rabun County
Dick's Knob, Rabun County
Hightower Bald, Towns County
Wolfpen Ridge, Towns and Union
Counties,
Blood Mountain, Union County
Tray Mountain, Towns County
Grassy Ridge, Rabun County
Slaughter Mountain, Union County
Double Spring Knob, Rabun County
Coosa Bald, Union County
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

11.

```
rserdah1@gsuad.gsu.edu@snowball:~/Lab4
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ sed '1 i Table: Eleven highest mountains in Georgia' mountainList.txt
Table: 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
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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

```
rserdah1@gsuad.gsu.edu@snowball:~/Lab4
[rserdah1@gsuad.gsu.edu@snowball Lab4]$ sort -bd 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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

12.

13. A

```
rserdah1@gsuad.gsu.edu@snowball:~/Lab4
[rserdah1@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
[rserdah1@gsuad.gsu.edu@snowball Lab4]$
```

14.

15. A