

## Paul Ofremu Jr.

### Lab 4 - Out-Lab

1)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ grep '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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

2)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ grep 'Rabun' mountainList.txt | wc -l
4
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

3)

```
pofremu1@gsuad.gsu.edu@snx x + v
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ grep -c 'Rabun' mountainList.txt
4
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

4)

a)

```
pofremu1@gsuad.gsu.edu@snx x + v
[pofremu1@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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

b)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

c) Adding -n to sed will suppress automatic printing of pattern space.

d) sed replaced the instances of 'ridge high point' with 'r.h.p.' and only printed the lines that were edited and not the pattern space around them.

5)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ sed 's/[[:space:]]*/' 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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

6)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ sed 's/[[:space:]]*/' mountainList.txt > newFile.txt
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

7)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ sed '/^[ ]*/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
Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
Counties
Counties
Blood Mountain, (summit),4458,feet,Union County
Blood Mountain, (summit),4458,feet,Union County
Tray Mountain, (summit), 4430,feet,Towns County
Tray Mountain, (summit), 4430,feet,Towns County
Grassy Ridge, (ridge high point),4420,feet,Rabun County
Grassy Ridge, (ridge high point),4420,feet,Rabun County
Slaughter Mountain, (summit),4338,feet,Union County
Slaughter Mountain, (summit),4338,feet,Union County
Double Spring Knob, (summit),4280,feet,Rabun County
Double Spring Knob, (summit),4280,feet,Rabun County
Coosa Bald, (summit),4280,feet,Union County
Coosa Bald, (summit),4280,feet,Union County
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

8)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

9)

```
pofremu1@gsuad.gsu.edu@snc x + v - □ ×
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ sed -r 's/(,[^,]*){3},/,/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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

10)

```
pofremu1@gsuad.gsu.edu@snc x + v - □ ×
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ awk -F, '{print $1,$5}' mountainList.txt
Table: Eleven highest mountains in Georgia
Brasstown Bald Union County
Rabun Bald Rabun County
Dick's Knob Rabun County
Hightower Bald Towns County
Wolfpen Ridge Towns and Union
Counties
Blood Mountain Union County
Tray Mountain Towns County
Grassy Ridge Rabun County
Slaughter Mountain Union County
Double Spring Knob Rabun County
Coosa Bald Union County
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

11)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ sed -i '1 i\Table: Eleven highest mountains in Georgia' mountainList.txt
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ cat 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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

12)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@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
Table: Eleven highest mountains in Georgia
Tray Mountain, (summit), 4430,feet,Towns County
Wolfpen Ridge, (ridge high point),4561,feet,Towns and Union
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

13)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@gsuad.gsu.edu@snowball Lab4]$ sort -k 3 -t , -n mountainList.txt
Counties
Table: Eleven highest mountains in Georgia
Coosa Bald, (summit),4280,feet,Union County
Double Spring Knob, (summit),4280,feet,Rabun 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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

14)

```
pofremu1@gsuad.gsu.edu@snc x + v
[pofremu1@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
[pofremu1@gsuad.gsu.edu@snowball Lab4]$
```

15) No you cannot because we are not referencing the same group but three different groups of that



format.