

Lab Assignment4 – Part 2

Hyunki Lee

1.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ grep -E '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 Counties
    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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

2.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ grep -wc 'Rabun County' mountainList.txt
4
```

3.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ man grep
[hlee152@gsuad.gsu.edu@snowball Lab4]$ grep -c 'Rabun County' mountainList.txt
4
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

4. A.

```
[hlee152@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 Counties
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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

B.

```
[hlee152@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 Counties
    Grassy Ridge, (r.h.p), 4420, feet, Rabun County
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

C: Suppress automatic printing of pattern space

D: Substitute ridge high point to r.h.p. To suppress automatic printing of pattern space use '-n'. 'p' is a command for printing the data from the pattern. Therefore, If I use '-n' but did not use 'p', I cannot see the output. Otherwise, If I use 'p' but not use '-n'. I can see the whole process of substitution.

5.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sed -e '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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

6.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sed -e 's/^[ \t]*//' mountainList.txt > newList.txt
```

7.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sed -n '/^ /p' 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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

8.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sed -n '/Union County/!p' mountainList.txt
t
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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

9.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sed 's/, [^,]*, [^,]*, [^,]*, /,/' 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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

10.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ awk -F ',' 'BEGIN{OFS=","}{print $1,$5}' mountainList.txt
    Brasstown Bald , Union County
Rabun Bald, Rabun County
Dick's Knob, Rabun County
    Hightower Bald, Towns County
Wolfpen Ridge, Towns and Union Counties
    Blood Mountain, Union County
Tray Mountain, Towns County
    Grassy Ridge, Rabun County
Slaughter Mountain, Union County
Double Spring Knob, Rabun County
Coosa Bald, Union County
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

11.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sed '1i 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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

12.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sort -t"," -k 1,1 mountainList.txt
    Blood Mountain, (summit),4458,feet,Union County
    Brasstown Bald , (summit),4784,feet,Union County
Coosa Bald, (summit),4280,feet,Union County
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 Counties
[hlee152@gsuad.gsu.edu@snowball Lab4]$
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13.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sort -t"," -r -nk 3,3 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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

14.

```
[hlee152@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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```

15.

```
[hlee152@gsuad.gsu.edu@snowball Lab4]$ sed -E 's/,.*,/ /' 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
[hlee152@gsuad.gsu.edu@snowball Lab4]$
```