Lab assignment 4

Sriram Mohan

Part-2

(1)

```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ grep -E 'Rabun County' mountainList.txt
Rabun Bald, (summit),4696,feet,Rabun County
Dick's Knob, (summit),4620,feet,Rabun County
        Grassy Ridge, (ridge high point),4420,feet,Rabun County
Double Spring Knob, (summit),4280,feet,Rabun County
```

(2)
```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ grep -E 'Rabun County' mountainList.txt
| wc -l
4
```

(3)
```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ grep -c 'Rabun County' mountainList.txt
4
```

(4)
A.
```
[smohan6@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
```

B.
```
[smohan6@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
```

C. '-n' suppresses automatic printing of pattern space

D. The command in (B) was used to print the same line only once and remove duplicates in the output.

(5)

```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ sed -n 's/^  *\s*\|^[^A-Za-z]// 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
```

(6)

```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ sed -n 's/^  *\s*\|^[^A-Za-z]//g p' mountainList.txt > newList.txt
[smohan6@gsuad.gsu.edu@snowball Lab4]$ vi newList.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)

```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ sed -n '/^  *\s*\|^[^A-Za-z]/ 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
```

(8)

```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ sed '/Union County/d' mountainList.txt | grep '^'
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
```

(9)

```
[smohan6@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
```

(10)

```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ awk -F , '{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
```

(11)

```
[smohan6@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
```

(12)

```
[smohan6@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
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
```

(13)

```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ sort -t, -r -b +2 -3 -n 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
```

(14)

```
[smohan6@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
```

(15)

```
[smohan6@gsuad.gsu.edu@snowball Lab4]$ sed -En 's/(Union) (County)/\1 \2/p' mountainList.txt
    Brasstown Bald, (summit),4784,feet,Union County
        Blood Mountain, (summit),4458,feet,Union County
Slaughter Mountain, (summit),4338,feet,Union County
Coosa Bald, (summit),4280,feet,Union County
```