

2)

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ grep -o -w "Rabun" moutainList.txt |
wc -w
5
```

3)

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ grep -c 'Rabun County' moutainList.t
xt
4
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$
```

4)

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sed 's/ridge high point/r.h.p./p' mo
untainList.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
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$
```

B)

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sed -n 's/ridge high point/r.h.p./p'
moutainList.txt
Wolfpen Ridge, (r.h.p.),4561,feet,Towns and Union
    Grassy Ridge, (r.h.p.),4420,feet,Rabun County
5 feet 561th 4784th 4696th 4620th 4568th 4561th 4458th 4430th 4420th 4420th 4338th 4280th 4280th
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$
```

C) in sed -n removes repetition in printing patterns.

D) Instead of printing all the lines and the specified line twice it only prints the specified line.

5)

```
sed -e 's/^[ \t]*//' moutainList.txt
```

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sed -e 's/^[ \t]*//' moutainList.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
```

6)

```
sed -e 's/^[ \t]*//' moutainList.txt > newList.txt
```

7)

```
sed -n '/^ /p' moutainList.txt
```

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sed -n '/^ /p' moutainList.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)

sed -n '/Union County/!p' moutainList.txt

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sed -n '/Union County/!p' moutainList.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
```

9)

sed 's/,[,^]\*,[^]\*,[^]\*,/,/' moutainList.txt

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sed 's/,([^,]*)/ /' moutainList.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)

```
awk -F',' 'BEGIN{OFS=","}{ print $1,$5}' moutainList.txt
```

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ awk -F',' 'BEGIN{OFS=","}{ print $1,$5}' moutainList.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)

sed '1i Table:Eleven highest mountains in Georgia' mountainList.txt

```
[jgriffith17@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
```

12)

sort -t "," -k 1,1 mountainList.txt

```
[jgriffith17@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
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
```

13)

sort -t "," -r -nk 3,3 moutainList.txt

```
jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sort -t "," -r -nk 3,3 moutainList.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
      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
Counties
```

14)

sed -E "s/((Union)s(County))/\1:\2/g" moutainList.txt

```
jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sed -E "s/((Union)s(County))/\1:\2/g"
moutainList.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)

sed -E 's/.,\*,./,' moutainList.txt

```
[jgriffith17@gsuad.gsu.edu@snowball Lab4]$ sed -E 's/,.*,//' moutainList.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
```