Groovy As a Scripting Language

For reference, use the Groovy Documentation Guides
http://groovy-lang.org/docs/groovy-2.3.1/html/documentation/#_introduction
http://.groovy-lang.org/docs/latest/html/groovy-jdk/

Also, the slides are posted at:
https://speakerdeck.com/jlstrater/intro-to-groovy-gr8ladies-gr8workshop-december-2014

Exercises

1.) Create a comma delimited file that contains a list of sports scores. The first column should be the home team, the second column should be the home teams score, the third column should be the away team's score and the four column the away team's name.

This might look like:

Home Team	Home Team Score	Away Team Score	Away Team Name
Minnesota Wild	4	1	Chicago Blackhawks
NJ Devils	3	2	Philadelphia Flyers
La Kings	0	3	Winnipeg Jets
NY Rangers	3	3	NY Islanders

2.) Take the file you created in example 2 and print the winner (or the word 'tie') for each line in the file. For the example above, this would look like:

- ➔ Minnesota Wild
- ➔ NJ Devils
- ➔ Winnipeg Jets
- ➔ Tie

Exercise Solutions

1.)

```
def myFile = new File('myscores.csv')
myFile.write(['Minnesota Wild',4,1,'Chicago Blackhawks'].join(',')+ '\n')
myFile.append(['NJ Devils',3,2,'Philadelphia Flyers'].join(',')+'\n')
myFile.append(['LA Kings',0,3,'Winnipeg Jets'].join(',')+'\n')
myFile.append(['NY Rangers',3,3,'NY Islanders'].join(',')+'\n')
```

2.)

```
def myFile = new File('myscores.csv')
myFile.eachLine { line ->
    def lineElements = line.split(',')
    if(lineElements[1] > lineElements[2]){
        println lineElements[0]
    } else if (lineElements[1] < lineElements[2]) {
        println lineElements[3]
    } else if (lineElements[1] == lineElements[2]) {
        println 'tie'
    } else {
        println 'invalid scoring'
    }
}
```