```java
//2018.Resit

import java.io.BufferedReader;
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.IOException;
import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
//      League pro = new League("Pro 14");
        League six = new League("Six Nations Championship");

        List<Team> teams = new ArrayList<Team>();
        List<Game> games = new ArrayList<Game>();
        readTeamData(teams, "steams.txt");
        for (Team t: teams) {
            six.addTeam(t);
        }
        for (int i = 1; i <=4; i++) {
            readGameData(teams, games, "s"+i+".txt");
            for (Game g: games) {
                six.addGame(g);
            }
        }
        six.printLeagueTable();
        six.printGames();

    }

    public static void readTeamData(List<Team> teams, String fName) {
        try (BufferedReader br = new BufferedReader(new FileReader(fName))) {

            String line = br.readLine();

            while (line != null) {
                Scanner s = new Scanner(line);

                String n = s.next();
                String c = s.nextLine().trim();
                Team t = new Team(n, c);
                teams.add(t);

                line = br.readLine();
            }

        } catch (FileNotFoundException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }

    public static void readGameData(List<Team> teams, List<Game> games, String fName) {
        try (BufferedReader br = new BufferedReader(new FileReader(fName))) {
            String line1 = br.readLine();
            String line2 = br.readLine();

            while (line2 != null) {
```

```
63                  Scanner s1 = new Scanner(line1);
64                  Scanner s2 = new Scanner(line2);
65
66                  String homeName = s1.next();
67                  String awayName = s2.next();
68                  String city = "";
69                  Team homeTeam=null;
70                  Team awayTeam=null;
71                  for(Team t: teams) {
72                      if(t.getName().equals(homeName)){
73                          city = t.getCity();
74                          homeTeam = t;
75                      }
76                      if(t.getName().equals(awayName)){
77                          awayTeam = t;
78                      }
79                  }
80
81
82                  Game g = new Game(homeName, awayName, city);
83
84                  while (s1.hasNext()) {
85                      String s = s1.next();
86                      if(s.equals("T")) {
87                          g.addScore(homeName, Score.TRY);
88                      }
89                      if(s.equals("P")) {
90                          g.addScore(homeName, Score.PENALTY);
91                      }
92                      if(s.equals("C")) {
93                          g.addScore(homeName, Score.CONVERSION);
94                      }
95                      if(s.equals("D")) {
96                          g.addScore(homeName, Score.DROP_GOAL);
97                      }
98
99                  }
100                 while (s2.hasNext()) {
101                     String s = s2.next();
102                     if(s.equals("T")) {
103                         g.addScore(awayName, Score.TRY);
104                     }
105                     if(s.equals("P")) {
106                         g.addScore(awayName, Score.PENALTY);
107                     }
108                     if(s.equals("C")) {
109                         g.addScore(awayName, Score.CONVERSION);
110                     }
111                     if(s.equals("D")) {
112                         g.addScore(awayName, Score.DROP_GOAL);
113                     }
114
115                 }
116                 games.add(g);
117                 homeTeam.addGame(g);
118                 awayTeam.addGame(g);
119                 line1 = br.readLine();
120                 line2 = br.readLine();
121             }
122
123         } catch (FileNotFoundException e) {
124             e.printStackTrace();
```

```
125         } catch (IOException e) {
126             e.printStackTrace();
127         }
128 
129     }
130 }
131 
```