Project 2: Winter Olympic continues

Figure Skating team event

Due date: Monday 10/13/2014

1. Project description:

Figure Skating team event is a new event at the Winter Olympic 2014 in Sochi. The format is: there are *n* teams qualifying to compete at this event which include a men’s short program, a pair short program, an ice dance short program and ladies short program in the qualifying round. Only the top *n/2* teams get to go to Free Skate events. In this project, we are given a file namely team.txt which contains the results of all the teams in the qualifying round. The file format is follows:

Country: column 1-3

Skater’s name: column 4-30

Event code: column 31

Points: column 32-36

Team points: column 37 to the end of the line

1. You will read this file and produce the report as follows:

Country Total points

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for **all teams** (each team corresponds to a country). We will sort this list by the total points in descending order.

1. At the end of this report in (a), we also print out the name of the teams which qualify to go to the Free Skate round. For each team that qualifies to go to Free Skate round, please print the names of the skaters (for pair and ice dance: just print their first names as shown in the data file in one line)

**Definitions:**

The total point for each team is the sum of short men program, short ice dance, short lady program and short pair program. The code for short men program is 1, short pair program is 2, short ice dance program is 3 and short lady program is 4.

The team that qualifies to go to the Free Skate round: needs to have total points in the top *n/2* of all teams.

1. **Submission**

All \*.java files need to be submitted in D2L Project 2 dropbox by midnight of the due date.