

```

1  package Assign_7;
2
3  import BasicIO.*;
4  import static BasicIO.Formats.*;
5  import static java.lang.Math.*;
6
7  /** This class determines standings of the different hockey teams based upon their
   statistics during the season.
8   * @author Micah Rose-Mighty
9   * @version 1.0 2018/11/30
   */
10
11
12  public class Team {
13      private String team;
14      private int    goalsFor;
15      private int    goalsAgainst;
16      private int    points;
17
18
19      /** This constructor ranks teams based upon point differential. The points are
   based upon the team's statistics throughout the season.
   */
20
21      public Team ( ASCIIDataFile from ) {
22          team = from.readString();
23          if ( ! from.isEOF() ) {
24              goalsFor = from.readInt();
25              goalsAgainst = from.readInt();
26              points = from.readInt();
27          }
28
29      };
30      public String getTeam () {
31          return team;
32      }
33      public int getGoalsFor () {
34          return goalsFor;
35      }
36      public int getGoalsAgainst () {
37          return goalsAgainst;
38      }
39      public int getPoints () {
40          return points;
41      }
42
43      public void play ( int gF, int gA ) {
44          if ( gF>gA ) {
45              points = points + 2;
46          }
47          else if ( gF==gA ){
48              points = points + 1;
49          }
50          else {
51              points = points + 0;
52          }
53          goalsFor = goalsFor + gF;
54          goalsAgainst = goalsAgainst + gA;
55      }
56      public void write ( ASCIIOutputFile to ) {
57          to.writeString(team);
58          to.writeInt(goalsFor);
59          to.writeInt(goalsAgainst);
60          to.writeInt(points);
61          to.newLine();
62      };
63      public void writer ( ReportPrinter to ) {
64          to.writeInt("goalsFor", goalsFor);
65          to.writeInt("goalsAgainst", goalsAgainst);to.writeInt("points", points);
66      };

```

```
67  
68  
69 } // Team
```