```java
1    package Assign_7;
2
3    import BasicIO.*;
4    import static BasicIO.Formats.*;
5    import static java.lang.Math.*;
6
7    /** This class creates a program to report and organize various hockey team
     statistics throughout the season.
8       * @author Micah Rose-Mighty
9       * @version 1.0 2018/11/30
     */
10   public class Hockeystatistics {
11
12      private ASCIIDataFile gameData;
13      private ASCIIOutputFile newgameData;
14      private ReportPrinter report;
15      private BasicForm display;
16  // instance variables
17
18      /** This constructor organizes different hockey team statistics and places them
     into a report based upon user input.
     */
19
20      public Hockeystatistics() {
21        Team aTeam;     // Team
22        int button;     // Buttons on interface
23        int goalsFor;   // Goals for
24        int goalsAgainst; // Goals Conceded
25        int points;        // Points a team has earned
26        int gF; // goalsFor
27        int gA;  // Goalsgainst
28
29        display = new BasicForm("Enter","Bye");
30        report = new ReportPrinter();
31        gameData = new ASCIIDataFile();
32        newgameData = new ASCIIOutputFile();
33        buildForm();
34        setUpReport();
35
36        for (;;) {
37          aTeam = new Team(gameData);
38          report.writeString("aTeam",aTeam.getTeam());
39          display.writeString("aTeam", aTeam.getTeam());
40          if (gameData.isEOF()) break;
41          points = aTeam.getPoints();
42          button = display.accept();
43          switch (button) {
44            case 0: {
45              gF = display.readInt("goalsFor");
46              gA = display.readInt("goalsAgainst");
47              aTeam.play(gF,gA);
48              display.writeString("goalsFor", "");
49              display.writeString("goalsAgainst", "");
50              break;
51            }
52            case 1: {
53              break;
54            }
55          }
56          aTeam.writer(report);
57          aTeam.write(newgameData);
58        }
59
60        report.close();
61        display.close();
62        gameData.close();
63        newgameData.close();
64
65      };
66      private void setUpReport() {
```

```
67        report.setTitle("NHL Hockey Statistics");
68        report.addField("aTeam", "Team", 10);
69        report.addField("goalsFor", "For", 4);
70        report.addField("goalsAgainst", "Against", 8);
71        report.addField("points", "Points", 8);
72      }
73    private void buildForm() {
74        display.setTitle("Niagara Hockey League (NHL) Stats");
75        display.addTextField("aTeam", "Team", 10, 35, 5);
76        display.setEditable("aTeam", false);
77        display.addTextField("goalsFor", "For", 4, 20, 40);
78        display.addTextField("goalsAgainst", "Against", 4, 85, 40);
79      }
80
81    public static void main(String[] args) { Hockeystatistics c = new
    Hockeystatistics();
82      };
83  } // Hockeystatistics
```