

Main.java

```
1 //2017.Resit
2
3 import java.io.BufferedReader;
4 import java.io.FileNotFoundException;
5 import java.io.FileReader;
6 import java.io.IOException;
7 import java.util.ArrayList;
8 import java.util.Scanner;
9
10 public class Main {
11     public static void main(String[] args) {
12         ArrayList<Driver> drvrs = readDriverData();
13         Championship champ = new Championship();
14         for (int i = 0; i < drvrs.size(); i++) {
15             System.out.println(drvrs.get(i));
16             champ.addDriver(drvrs.get(i));
17         }
18
19         ArrayList<Team> teams = readTeamData(drvrs);
20         for (int i = 0; i < teams.size(); i++) {
21             System.out.println(teams.get(i));
22             champ.addTeam(teams.get(i));
23         }
24         System.out.println(champ);
25
26         for(int i = 1; i < 21; i++) {
27             String name = i + ".txt";
28             champ.readRaceData(name);
29             System.out.println(champ);
30         }
31     }
32
33     public static ArrayList<Driver> readDriverData() {
34         ArrayList<Driver> drivers = new ArrayList<Driver>();
35         try (BufferedReader br = new BufferedReader(new FileReader("d.txt"))) {
36             String line = br.readLine();
37             while (line != null) {
38                 Scanner in = new Scanner(line);
39                 String firName = in.next();
40                 String famName = in.next();
41                 String name = firName + " " + famName;
42                 String shName = in.next();
43                 int num = in.nextInt();
44                 String cntry = in.next();
45                 Driver d = new Driver(name, shName, cntry, num);
46                 drivers.add(d);
47
48                 in.close();
49
50                 line = br.readLine();
51             }
52
53         } catch (FileNotFoundException e) {
54             e.printStackTrace();
55         } catch (IOException e) {
56             e.printStackTrace();
57         }
58
59         return drivers;
60     }
61
62     public static ArrayList<Team> readTeamData(ArrayList<Driver> drivers) {
```

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```
63 ArrayList<Team> teams = new ArrayList<Team>();
64 try (BufferedReader br = new BufferedReader(new FileReader("t.txt"))) {
65     String line = br.readLine();
66     while (line != null) {
67         Scanner in = new Scanner(line);
68         String name = in.next();
69         while (!in.hasNextInt()) {
70             name += " " + in.next();
71         }
72         Team t = new Team(name);
73         while (in.hasNextInt()) {
74             int num = in.nextInt();
75             for (int i = 0; i < drivers.size(); i++) {
76                 if (drivers.get(i).getNumber() == num) {
77                     t.addDriver(drivers.get(i));
78                 }
79             }
80         }
81         teams.add(t);
82
83         line = br.readLine();
84     }
85 } catch (FileNotFoundException e) {
86     e.printStackTrace();
87 } catch (IOException e) {
88     e.printStackTrace();
89 }
90
91
92 return teams;
93 }
94 }
95
```