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1 //Noah Johnson
2 //Section 2
3
4 /* Description of the program
5
6 Program that lets a user assign a team name and chose the number of games in a
   season.
7
8 The program then randomizes a score for the user team and the opponent team,
   keeping track of the win/loss record of the user team
9 and calculates a percentage of the amount of wins.
10
11 Based on the percentage, the team is assigned a bracket and the team name,
   record and bracket are alerted to the user.
12
13 */
14
15 //Declare Variables
16 var teamName;
17 var numGames;
18 var numGamesWon = 0;
19 var numGamesLost = 0;
20 var iCount;
21 var userTeamScore;
22 var opponentTeamScore;
23 var resultText;
24 var percentOfGamesWon;
25
26 //Prompt user for their team name and how many games will be in the season
27 teamName = prompt("What is your team name?", "BYU");
28 numGames = parseInt(prompt("How many games are in the season?", 0));
29
30 //Loop for each game in the season
31 for(iCount = 0; iCount < numGames; iCount++) {
32
33     //Prompt for the user to enter an opponent name
34     prompt("What is the opponent's team name?", "Utah");
35
36     //Generate random numbers for user team and opponent team. If there is a
   tie, loop until there is not a tie
37     do {
38         userTeamScore = Math.floor(Math.random() * 101);
39         opponentTeamScore = Math.floor(Math.random() * 101);
40     } while (userTeamScore === opponentTeamScore);
41
42     //Compare user team score and opponent to see if user team won or lost
43     if (userTeamScore > opponentTeamScore) {
44         numGamesWon = numGamesWon + 1;
45     }
46     else if (userTeamScore < opponentTeamScore) {
47         numGamesLost = numGamesLost + 1;
48     }
49 }
```

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50 }
51
52 //Calculate percentage of how many games were won
53 percentOfGamesWon = numGamesWon / numGames;
54
55 //Check percentage to see what bracket the team is in. Assign that to the
  result text.
56 if (percentOfGamesWon >= .75) {
57     resultText = "March Madness";
58 }
59 else if (percentOfGamesWon >= .5) {
60     resultText = "NIT Tournament";
61 }
62 else {
63     resultText = "See you next year";
64 }
65
66 //Alert the team name, their record and what bracket they are apart of
67 alert(teamName + " " + numGamesWon + "-" + numGamesLost + "\n" + resultText);
```