

Program #6 – Arrays (super bowls)  
CSC135 – Fall 2016

You are to write a program that will process the result of the super bowls. You will be using a data file called **superbowl.dat**. There will be three lines for each super bowl. The first line will contain the name of the winning team, the second line will contain the name of the losing team and the third line will contain the number of points scored by the winning team. You are to read from the file and place the values in parallel arrays. Your program should assume the potential for 100 super bowls.

The program should read into the arrays. The program should then print out the arrays side by side in neat, labeled columns.

The program should then print some summary information. It should print out the average number of points scored by the winning teams, the number of winning teams that scored more than 40 points, the winner and loser in the super bowl where the most points were scored by the winning team and the winner and the loser in the super bowl where the least points were scored by the winning team.

Each calculation should have a function of its own; or if multiple calculations are done in the same function, they should be similar calculations (such as min and max). **NO** output should be done in functions that do calculations. All output should be done in a separate output function(s). Remember to always pass the number of elements in the array with the array to functions.

The data can be found in the file */export/home/public/frye/csc135/superbowl.dat*

**Extra Credit**

Print the top three teams in terms of the number of super bowls won (print the team that won the most super bowls, the team that won the second most and the team that won the third most). Include in this output the number of super bowls each of these top three teams have won. Arrays must be utilized for the extra credit.