football.h 9/29/15, 3:20 PM

```
// Corey Shrader
   football.h
//
//
   Program2
//
//
   Created by Corey Shrader on 9/27/15.
//
   This is a header file containing constants and prototypes for a program
//
   which, given a valid input file with several pairs of football teams and
    their stats, will compute predictions about which team will win.
#include <stdio.h>
#include <stdlib.h>
#include <math.h>
#define OFFENSIVE_FACTOR 1.5
#define SPECIAL_TEAMS_FACTOR 1.2
#define HOME_FIELD_ADVANTAGE 1.3
#define OVERALL FACTOR 1.15
#define OFFENSIVE_WORTH 0.32
#define DEFENSIVE WORTH 0.28
#define SPECIAL_WORTH 0.15
#define HOME WORTH 0.1
#define OVERALL WORTH 0.15
```

- void compute(int HTO, int HTD, int HTS, int HTH, int HTC, int VTO, int VTD, int
 VTS, int VTR, double *preference1, double *preference2, double *preference3,
 double *preference4, double *preference5); // computes preferences given team
 stats
- void output(char winner[], char loser[], int amount); // prints the predicted
 winning and losing teams, and their score difference
- void update(int x, int y, int z, int *predictions, int *homeWins, int *visitWins)
 ; // updates the values of running totals after each game is predicted
- void summary(int predictions, int homeWins); // prints a summary of the games, including the percentage which favored the home team