computations.c 9/29/15, 3:20 PM

```
// Corey Shrader
    computations.c
//
   Program2
//
//
   Created by Corey Shrader on 9/27/15.
//
   This file contains functions which compute values used for making predictions
//
    about the winning and losing teams.
#include "football.h"
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) {
    *preference1 = HTO * OFFENSIVE_FACTOR - VTD;
    *preference2 = HTD + 2 - VTO * OFFENSIVE_FACTOR;
    *preference3 = HTS * SPECIAL_TEAMS_FACTOR - VTS;
    *preference4 = HTH + HTC * HOME FIELD ADVANTAGE - VTS;
    *preference5 = HTO * HTD * HTH * OVERALL_FACTOR - VTO * VTD * VTR;
}
double prediction(double preference1, double preference2, double preference3,
    double preference4, double preference5) {
    return preference1 * OFFENSIVE_WORTH + preference2 * DEFENSIVE_WORTH +
        preference3 * SPECIAL WORTH + preference4 * HOME WORTH + preference5 *
       OVERALL WORTH;
}
void update(int x, int y, int z, int *predictions, int *homeWins, int *visitWins)
    {
    *predictions += x;
    *homeWins += y;
    *visitWins += z;
```

}