# Introduction to Programming Term Project

You are required to code a program that can create a virtual Turkish Super Lig Table.

## Project Requirements

* There are 10 teams in the league. And the number of teams may be changed if needed.
* The team gets 2 points for a win, 1 point for a draw and -1 point for a loss. And these may be changed if needed.
* Each team has a one character alias and at most 12 character team name. The team aliases shall be like ‘A’, ‘B’, ‘C’, ‘D’, ‘E’, ‘F’, ‘G’, ‘H’, ‘I’, ‘J’. The names of the teams are stored in **“takimlar.txt”** file. You will be given these files during your exam.
* Initially each team’s points and matches should be 0.
* The program should be able to input matches from both keyboard and the files and calculate the points table.
* When the user enters a result from the keyboard, it should be in the following format **“A 3 C 2”**. This means that team A and team C has played a game, and A scored 3 and C scored 2 goals.
* For the file input each line in the file will have to have the exact format of the keyboard input. Naturally, the file may have more than one line representing different matches.
* If the user enters a result for an already played game, the system should give a warning and ignore the incorrect input.
* The points table should be printed out to a file and to the screen sorted by the points, team names or aliases. If needed the team names should be printed in capital.
* The number of teams in the league, the points awarded to win, draw and loss should be kept in a file named as **ayarlar.txt**. You will also be given a file during the exam.
* The following properties are expected from the points table

|  |  |
| --- | --- |
| * 1. Aliases - A, B, C, etc.   2. Name of the team, 12 characters   3. Total matches played   4. Wins   5. Draws | * 1. Losses   2. Goals Scored   3. Goals Allowed   4. Goal Difference   5. Points |

## Ödev İçin Gereken Metinler

|  |  |  |
| --- | --- | --- |
| ayarlar.txt | number of teams  Win Points  Draw Points  Loss Points | 10  2  1  -1 |
| takimlar.txt | A  B  C  D  E  F  G  H  I  J | idmangücü  idmanocağı  kasımpaşa  sebatspor  yelkenciler  uğurspor  takaspor  gençbelediye  ofspor  maçkaspor |
| maclar1.txt |  | A 3 B 0  C 0 D 0  E 1 F 3  G 4 H 5  B 0 A 2  I 1 J 0  B 1 C 2  D 3 E 2  F 1 G 0  A 1 B 1  H 0 I 0  J 2 A 1 |