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CSC 211  
Lab 1

```
#include <iostream>
#include <fstream>
using namespace std;

struct player
{
    string teamname;
    string name;
    int shirt_num{};
    double avg_goal_pergame{};
};

int main()
{
    string teamname;
    string name;
    int shirt_num{};
    double avg_goal_pergame{};

    player p[10];
    ifstream infile;
    infile.open("player_1.txt");
    if (!infile)
    {
        cout << "cant open file"<<endl;
        return 0;
    }
    for (int i = 0; i < 10; i++)
    {
        infile >> p[i].teamname >> p[i].name >> p[i].shirt_num >>
p[i].avg_goal_pergame;
    }
    char ch;
    while (true)
    {
        cout << "1.point out all users and statistics" << endl;
        cout << "2.point out all statistics for a specifiv player" << endl;
        cout << "3.point out all data for a specific team" << endl;
        cout << "4.exit \n enter 'your choice or player :'";
        cin >> ch;
        switch (ch)
        {
            case '1':
                for (int i = 0; i < 10; i++)
                {
                    cout << p[i].teamname << " " << p[i].name << " " <<
p[i].shirt_num << " " << p[i].avg_goal_pergame << endl;
                }
                break;
            case '2':
                cout << "enter player name:";
        }
    }
}
```

```

        cin >> name;
        for (int i = 0; i < 10; i++)
        {
            if (p[i].name == name)
            {
                cout << p[i].teamname << " " << p[i].name << " " <<
p[i].shirt_num << " " << p[i].avg_goal_pergame << endl;
            }
        }

        break;
    case '3':
        cout << "enter teamname :";
        cin >> teamname;
        for (int i=0; i<10; i++) {
            if (p[i].teamname == teamname)
            {
                cout << p[i].teamname << " " << p[i].name << " " <<
p[i].shirt_num << " " << p[i].avg_goal_pergame << endl;
            }
        }

        break;
    case '4':
        return(0);
    }
}

return 0;
}

```

```

Microsoft Visual Studio Debug Console
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
enter 'your choice or player :1
Liverpool MO_Salah 36 0.08
Barcelona Pedri 16 0.07
Barcelona Ilaix 26 0.01
Barcelona Lionel 30 0.8
Realmadrid Ronald0 7 1.1
Barcelona Ansu 10 0.83
Barcelona Konrad 20 0.32
Barcelona Sergi 5 0.41
Barcelona Firpo 3 0.33
Paris Nemar 10 0.76
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
enter 'your choice or player :2
enter player name:MO_Salah
Liverpool MO_Salah 36 0.08
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
enter 'your choice or player :2
enter player name:Pedri
Barcelona Pedri 16 0.07
1.point out all users and statistics

```

```
Select Microsoft Visual Studio Debug Console
3.point out all data for a specific team
4.exit
  enter 'your choice or player ':'2
enter player name:Pedri
Barcelona Pedri 16 0.07
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player ':'2
enter player name:Ilaix
Barcelona Ilaix 26 0.01
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player ':'2
enter player name:Lionel
Barcelona Lionel 30 0.8
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player ':'Ronald0
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
```

```
4.exit
  enter 'your choice or player ':'2
enter player name:Ansu
Barcelona Ansu 10 0.83
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player ':'2
enter player name:Konrad
Barcelona Konrad 20 0.32
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player ':'2
enter player name:Sergi
Barcelona Sergi 5 0.41
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player ':'Firpo
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
```

```

4.exit
  enter 'your choice or player : '2
  enter player name:Nemar
Paris  Nemar  10  0.76
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player : '3
  enter teamname :Liverpool
Liverpool  MO_Salah  36  0.08
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player : '3
  enter teamname :Paris
Paris  Nemar  10  0.76
1.point out all users and statistics
2.point out all statistics for a specifiv player
3.point out all data for a specific team
4.exit
  enter 'your choice or player : '4

C:\Users\Eyad\source\repos\lab1- csc 211part2\Debug\lab1- csc 211part2.exe (process 19376) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

```

Visual Studio interface showing the Source.cpp file with the following content:

```

1  Liverpool MO_Salah 36 0.08
2  Barcelona Pedri 16 0.07
3  Barcelona Ilaix 26 0.01
4  Barcelona Lionel 30 0.80
5  Realmadrid Ronald0 7 1.10
6  Barcelona Ansu 10 0.83
7  Barcelona Konrad 20 0.32
8  Barcelona Sergi 5 0.41
9  Barcelona Firpo 3 0.33
10 Paris Nemar 10 0.76

```