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OOP Final project

**Project**

**Header file**

#pragma once

#include<iostream>

using namespace std;

class Player {

public:

string name[200] = {"Ali"};

string Shirt\_no[100] = {"3"};

string average[100] = {"45.67"};

string ICC\_ranking[100] = {"3"};

string Total\_runs[100] = {"3"};

string Matches\_played[100] = {"3"};

string Total\_wickets[100] = {"3"};

virtual void addPlayer() = 0;

//virtual void removePlayer()=0;

virtual void searchPlayer() = 0;

void updatePlayer();

};

class Team :public Player {

public:

int no\_of\_players;

string Total\_Matches\_Won[100] = {"3"};

string Total\_Matches\_lost[100] = {"3"};

string Team\_Captain;

string Team\_coach;

string Shirt\_no\_of\_coach[100];

string Shirt\_no\_of\_the\_captain[100];

string Admin\_Username;

const string Username = "Ali";

const string password = "123456";

string Admin\_password;

int choice = 0;

Team() {

no\_of\_players = no\_of\_players;

Team\_Captain = Team\_Captain;

Team\_coach = Team\_coach;

for (int i = 0; i < 11; i++) {

Total\_Matches\_lost[i] = Total\_Matches\_lost[i];

Total\_Matches\_Won[i] = Total\_Matches\_Won[i];

}

}

void input();

void addPlayer();

void removePlayer();

void searchPlayer();

virtual void updateplayer();

void displayMatch();

void updateMatches();

void updateCaptain();

void updateCoach();

void displayTeam();

};

class Match {

public:

string Team\_1;

string Team\_2;

string date;

string venue;

string Match\_Type;

string Tournament\_Name;

string Commentators;

string Umpires;

string Match\_status;

Match() {

Team\_1 = Team\_1;

Team\_2 = Team\_2;

date = date;

venue = venue;

Match\_Type = Match\_Type;

Tournament\_Name = Tournament\_Name;

Commentators = Commentators;

Umpires = Umpires;

Match\_status = Match\_status;

}

void conductmatches();

void scheduleMatches();

void updateWorldRecods();

void update\_Team\_ranking();

void update\_player\_ranking();

void display\_upcoming\_Matches();

void display\_recent\_matches();

};

**Main file:**

#include<iostream>

#include<string>

#include<fstream>

#include"Header.h"

using namespace std;

const string Username = "Ali";

const string password = "123456";

void menu();

int main() {

system("Color E1");

Player\* P;

Team T;

P = &T;

menu();

delete[] P;

Match M;

}

**Source file**

#include<iostream>

#include"Header.h"

#include<fstream>

#include<string>

using namespace std;

const string Username = "Ali";

const string password = "123456";

void menu() {

Team T;

Match m;

cout << "Enter the user name" << endl;

cin >> T.Admin\_Username;

cout << "Enter the password" << endl;

cin >> T.Admin\_password;

system("cls");

if (T.Admin\_Username == Username || T.Admin\_password == password) {

int choice = 0;

cout << "choice 1 for input" << endl;

cout << "choice 2 for add players" << endl;

cout << "choice 3 for remove players" << endl;

cout << "choice 4 for search player" << endl;

cout << "choice 5 for update player" << endl;

cout << "choice 6 for display matches" << endl;

cout << "choice 7 for update matches" << endl;

cout << "choice 8 for update captain" << endl;

cout << "choice 9 for update coach" << endl;

cout << "choice 10 for display Team" << endl;

cout << "choice 11 for conduct matches" << endl;

cout << "choice 12 for update world record" << endl;

cout << "choice 13 for update player ranking" << endl;

cout << "choice 14 for update Team ranking" << endl;

cout << "Enter the choice " << endl;

cin >> choice;

if (choice == 1) {

T.input();

}

else if (choice == 2) {

T.addPlayer();

}

else if (choice == 3) {

T.removePlayer();

}

else if (choice == 4) {

T.searchPlayer();

}

else if (choice == 5) {

T.updatePlayer();

}

else if (choice == 6) {

T.displayMatch();

}

else if (choice == 7) {

T.updateMatches();

}

else if (choice == 8) {

T.updateCaptain();

}

else if (choice == 9) {

T.updateCoach();

}

else if (choice == 10) {

T.displayTeam();

}

else if (choice == 11) {

m.conductmatches();

}

else if (choice == 12) {

m.updateWorldRecods();

}

else if (choice == 13) {

m.update\_player\_ranking();

}

else if (choice == 14) {

m.update\_Team\_ranking();

}

}

}

void Team::input() {

system("cls");

int size;

fstream f;

cout << "Enter the no of the players" << endl;

cin >> size;

f.open("name.txt", ios::out);

if (f.is\_open()) {

for (int i = 0; i < size; i++) {

cout << "Enter the name of the player" << i + 1 << ":";

cin >> name[i];

f << name[i];

f << endl;

}

}

f.close();

fstream my;

my.open("name of the captain.txt", ios::out);

if (my.is\_open()) {

system("cls");

cout << "\*\*\*\*\* Plz Enter the name of captain \*\*\*\*\*" << endl;

cout << endl;

for (int i = 0; i < size; i++) {

cout << "Enter the name of the captain" << i + 1 << endl;

my << "The name of the captain" << endl;

cin >> Team\_Captain[i];

my << Team\_Captain[i] << endl;

}

for (int i = 0; i < size; i++) {

cout << "Enter the shirt no of the captain" << i + 1 << endl;

my << "The Shirt no of the captain" << endl;

cin >> Shirt\_no\_of\_the\_captain[i];

my << Shirt\_no\_of\_the\_captain[i] << endl;

}

}

my.close();

fstream coa;

coa.open("coach name.txt", ios::out);

if (coa.is\_open()) {

system("cls");

for (int i = 0; i < size; i++) {

cout << "Enter the name of the coach" << i + 1 << endl;

cin.ignore();

getline(cin, Team\_coach);

coa << Team\_coach[i];

coa << endl;

}

for (int i = 0; i < size; i++) {

cout << "Enter the shirt no of the coach" << i + 1 << endl;

coa << "The shirt no of the coach" << endl;

cin >> Shirt\_no\_of\_coach[i];

coa << Shirt\_no\_of\_coach[i];

coa << endl;

}

}

coa.close();

fstream si;

si.open("shirt no of the player.txt", ios::out);

if (si.is\_open()) {

system("cls");

for (int i = 0; i < size; i++) {

cout << "Enter the shirt no of the players" << i + 1 << ":";

si << "The shirt no of the players" << endl;

cin >> Shirt\_no[i];

si << Shirt\_no[i];

si << endl;

}

}

si.close();

fstream icc;

icc.open("ICC file.txt", ios::out);

if (icc.is\_open()) {

system("cls");

cout << "\*\*\*\*\* Plz Enter the ICC Ranking the players \*\*\*\*\*" << endl;

cout << endl;

for (int i = 0; i < size; i++) {

cout << "Enter the ICC Ranking of the player" << i + 1 << ":";

icc << "The ICC rancking is" << endl;

cin >> ICC\_ranking[i];

icc << ICC\_ranking[i];

icc << endl;

}

}

icc.close();

fstream total;

total.open("Total runs.txt", ios::out);

if (total.is\_open()) {

system("cls");

cout << "\*\*\*\*\* Plz Enter the Total Runs of the players \*\*\*\*\*" << endl;

cout << endl;

for (int i = 0; i < size; i++) {

cout << "Enter the Total Runs of the player" << i + 1 << ":";

total << "The Total runs is" << endl;

cin >> Total\_runs[i];

total << Total\_runs[i];

total << endl;

}

}

total.close();

fstream match;

match.open("Matches played.txt", ios::out);

if (match.is\_open()) {

system("cls");

cout << "\*\*\*\*\* Plz Enter the Matches Played of the players \*\*\*\*\*" << endl;

cout << endl;

for (int i = 0; i < size; i++) {

cout << "Enter the Matches played of the player " << i + 1 << ":";

match << "The total matches played" << endl;

cin >> Matches\_played[i];

match << Matches\_played[i];

match << endl;

}

}

match.close();

fstream wickets;

wickets.open("Wickets.txt", ios::out);

if (wickets.is\_open()) {

system("cls");

cout << "\*\*\*\*\* Plz Enter the Total Wickets of the players \*\*\*\*\*" << endl;

cout << endl;

for (int i = 0; i < size; i++) {

cout << "Enter the Total Wickets of the player" << i + 1 << ":";

wickets << "The total wickets are" << endl;

cin >> Total\_wickets[i];

wickets << Total\_wickets[i];

wickets << endl;

}

}

wickets.close();

fstream won;

won.open("won.txt", ios::out);

if (won.is\_open()) {

system("cls");

cout << "\*\*\*\*\* Plz Enter the Total Matches won of the players \*\*\*\*" << endl;

cout << endl;

for (int i = 0; i < size; i++) {

cout << "Enter the Total matches won " << i + 1 << ":";

won << "The total matches won" << endl;

cin >> Total\_Matches\_Won[i];

won << Total\_Matches\_Won[i];

won << endl;

}

}

won.close();

fstream lost;

lost.open("lost matches.txt", ios::out);

if (lost.is\_open()) {

system("cls");

cout << "\*\*\*\*\* Plz Enter the Total lost matches of the players \*\*\*\*" << endl;

cout << endl;

for (int i = 0; i < size; i++) {

cout << "Enter the Total matches lost" << i + 1 << ":";

lost << "The total matches are lost" << endl;

cin >> Total\_Matches\_lost[i];

lost << Total\_Matches\_lost[i];

lost << endl;

}

}

lost.close();

fstream averag;

averag.open("average.txt", ios::out);

if (averag.is\_open()) {

system("cls");

cout << "\*\*\*\*\* Plz Enter the average of the players \*\*\*\*\*" << endl;

cout << endl;

for (int i = 0; i < size; i++) {

cout << "Enter the average of the player" << i + 1 << ":";

averag << "The average is" << endl;

cin >> average[i];

averag << average[i];

averag << endl;

}

system("cls");

menu();

}

averag.close();

}

void Player::updatePlayer() {

system("cls");

Team T;

cout << "\*\*\*\*\* The player update function is here \*\*\*\*\* " << endl;

int s;

fstream myfile;

myfile.open("name.txt", ios::out);

if (myfile.is\_open()) {

cout << "How many player are update by you" << endl;

cin >> s;

for (int i = 0; i < s; i++) {

cout << "Enter the new name of the player" << i + 1 << ":";

myfile << "The new name of the player is" << endl;

cin >> name[i];

myfile << name[i] << endl;

}

}

myfile.close();

fstream kl;

kl.open("shirt no of the player.txt", ios::out);

if (kl.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new shirt no of the player" << i + 1 << ":";

kl << "The new shirt no is" << endl;

cin >> Shirt\_no[i];

kl << Shirt\_no[i] << endl;

}

}

kl.close();

fstream jk;

jk.open("average.txt", ios::out);

if (kl.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new average of the player" << i + 1 << ":";

jk << "The new average is" << endl;

cin >> average[i];

jk << average[i] << endl;

}

}

jk.close();

fstream u;

u.open("ICC file.txt", ios::out);

if (u.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new ICC Ranking of the player" << i + 1 << ":";

u << "The new Icc Ranking is" << endl;

cin >> ICC\_ranking[i];

u << ICC\_ranking[i] << endl;

}

}

u.close();

fstream g;

g.open("Total runs.txt", ios::out);

if (g.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Total Runs of the player" << i + 1 << ":";

g << "The new total runs are" << endl;

cin >> Total\_runs[i];

g << Total\_runs[i] << endl;

}

}

g.close();

fstream f;

f.open("Matches played.txt", ios::out);

if (f.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Matches played of the player" << i + 1 << ":";

f << "The new matches played of the player is" << endl;

cin >> Matches\_played[i];

f << Matches\_played[i] << endl;

}

}

f.close();

fstream d;

d.open("Wickets.txt", ios::out);

if (d.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Total Wickets of the player" << i + 1 << ":";

d << "The Total wickets are" << endl;

cin >> Total\_wickets[i];

d << Total\_wickets[i] << endl;

}

}

d.close();

cout << "Update player data is complete" << endl;

menu();

}

void Player::searchPlayer() {

Team T;

cout << "\*\*\*\*\* The search function is here \*\*\*\*\*\*" << endl;

int s;

string k[100];

fstream myfile;

myfile.open("name.txt", ios::out);

if (myfile.is\_open()) {

cout << "How many player are search by you" << endl;

cin >> s;

for (int i = 0; i < s; i++) {

cout << "Enter the name of the player to be search" << i + 1 << ":";

myfile << "The name of the player is" << endl;

cin >> k[i];

myfile << k[i] << endl;

}

}

myfile.close();

fstream l;

string h[100];

l.open("name.txt", ios::out);

if (l.is\_open()) {

while (!l.eof()) {

for (int i = 0; i < s; i++) {

l >> h[i];

cout << h[i] << endl;

}

}

}

l.close();

fstream kl;

string st[100];

kl.open("shirt no of the player.txt", ios::out);

if (kl.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the shirt no of the player to be search" << i + 1 << ":";

kl << "The shirt no is" << endl;

cin >> st[i];

kl << st[i] << endl;

}

}

kl.close();

ifstream g;

string n[100];

g.open("shirt no of the player.txt", ios::out);

if (g.is\_open()) {

while (!g.eof()) {

for (int i = 0; i < s; i++) {

g >> n[i];

cout << n[i];

}

}

}

g.close();

fstream jk;

string sd[100];

jk.open("average.txt", ios::out);

if (kl.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the average of the player to be earch" << i + 1 << ":";

jk << "The average is" << endl;

cin >> sd[i];

jk << sd[i] << endl;

}

}

jk.close();

ifstream j;

string hj[100];

j.open("average.txt", ios::out);

if (j.is\_open()) {

while (!j.eof()) {

for (int i = 0; i < s; i++) {

j >> hj[i];

cout << k[i];

}

}

}

j.close();

menu();

}

void Team::removePlayer() {

system("cls");

Team T;

cout << "\*\*\*\*\* The player remove function is here \*\*\*\*\*\*" << endl;

int s;

string nam[100];

fstream myfile;

myfile.open("name.txt", ios::out);

if (myfile.is\_open()) {

cout << "How many player are remove by you" << endl;

cin >> s;

for (int i = 0; i < s; i++) {

cout << "Enter the name of the player to be removed" << i + 1 << ":";

cin >> nam[i];

if (nam[i] ==T.name[i]) {

T.name[i] = "-";

myfile <<T.name[i] << endl;

}

}

}

myfile.close();

fstream aa;

string sh[100];

aa.open("shirt no of the player.txt", ios::out);

if (aa.is\_open()) {

cout << "Enter the shirt no of the player to be remove" << endl;

for (int i = 0; i < s; i++) {

cin >> sh[i];

if (sh[i] == T.Shirt\_no[i]) {

T.Shirt\_no[i] = "-";

aa <<T.Shirt\_no[i];

}

}

}

aa.close();

fstream qq;

string IC[100];

qq.open("ICC file.txt", ios::out);

if (qq.is\_open()) {

cout << "Enter the Icc ranking of the player to be removed" << endl;

for (int i = 0; i < s; i++) {

cin >> IC[i];

if (IC[i] == T.ICC\_ranking[i]) {

T.ICC\_ranking[i] = "-";

qq << T.ICC\_ranking[i];

}

}

}

qq.close();

fstream gg;

string To[100];

gg.open("Total runs.txt", ios::out);

if (gg.is\_open()) {

cout << "Enter the total runs of the player to be removed" << endl;

for (int i = 0; i < s; i++) {

cin >> To[i];

if (To[i] == T.Total\_runs[i]) {

T.Total\_runs[i] = "-";

gg <<T.Total\_runs[i];

}

}

}

gg.close();

fstream gs;

string Mat[100];

gs.open("Matches played.txt", ios::out);

if (gs.is\_open()) {

cout << "Enter the total Matches of the player to be removed" << endl;

for (int i = 0; i < s; i++) {

cin >> Mat[i];

if (Mat[i] == T.Matches\_played[i]) {

T.Matches\_played[i] = "-";

gs <<T. Matches\_played[i];

}

}

}

gs.close();

fstream hj;

string Tow[100];

hj.open("Wickets.txt", ios::out);

if (hj.is\_open()) {

cout << "Enter the total Wickets of the player to be removed" << endl;

for (int i = 0; i < s; i++) {

cin >> Tow[i];

if (Tow[i] == T.Total\_wickets[i]) {

T.Total\_wickets[i] = "-";

hj << T.Total\_wickets[i];

}

}

}

hj.close();

fstream jj;

string wo[100];

jj.open("won.txt", ios::out);

if (jj.is\_open()) {

cout << "Enter the total matches won of the player to be removed" << endl;

for (int i = 0; i < s; i++) {

cin >> wo[i];

if (wo[i] == T.Total\_Matches\_Won[i]) {

T.Total\_Matches\_Won[i] = "-";

jj << T.Total\_Matches\_Won[i];

}

}

}

jj.close();

fstream ii;

string lo[100];

ii.open("lost matches.txt", ios::out);

if (ii.is\_open()) {

cout << "Enter the total matches lost of the player to be removed" << endl;

for (int i = 0; i < s; i++) {

cin >> lo[i];

if (lo[i] == T.Total\_Matches\_lost[i]) {

T.Total\_Matches\_lost[i] = "-";

ii <<T.Total\_Matches\_lost[i];

}

}

}

ii.close();

fstream is;

string av[100];

is.open("average.txt", ios::out);

if (is.is\_open()) {

cout << "Enter the total matches average of the player to be removed" << endl;

for (int i = 0; i < s; i++) {

cin >> av[i];

if (av[i] == T.average[i]) {

T.average[i] = "-";

is << T.average[i];

}

}

}

is.close();

//ifstreams files

ifstream kl;

string n;

kl.open("name.txt", ios::out);

if (kl.is\_open()) {

kl >> n;

cout << "The name of the player is" << endl;

cout << n << endl;

}

kl.close();

ifstream m;

string ns;

m.open("shirt no of the player.txt", ios::out);

if (m.is\_open()) {

m>> ns;

cout << "The shirt no of the player" << endl;

cout << ns << endl;

}

m.close();

ifstream mss;

string nss;

mss.open("ICC file.txt", ios::out);

if (mss.is\_open()) {

mss >> nss;

cout << "The Icc ranking of the player" << endl;

cout << nss<< endl;

}

mss.close();

ifstream v;

string z;

v.open("Total runs.txt", ios::out);

if (v.is\_open()) {

v >> z;

cout << "The total runs of the player" << endl;

cout << z << endl;

}

v.close();

ifstream vs;

string zs;

vs.open("Matches played.txt", ios::out);

if (vs.is\_open()) {

vs >> zs;

cout << "The total Matches of the player" << endl;

cout << zs << endl;

}

vs.close();

ifstream c;

string cs;

c.open("Wickets.txt", ios::out);

if (c.is\_open()) {

c >> cs;

cout << "The total Wickets of the player" << endl;

cout << cs << endl;

}

c.close();

ifstream cq;

string css;

cq.open("won.txt", ios::out);

if (cq.is\_open()) {

cq >> css;

cout << "The total Won matches of the player" << endl;

cout << css << endl;

}

cq.close();

ifstream cqq;

string d;

cqq.open("lost matches.txt", ios::out);

if (cqq.is\_open()) {

cqq >> d;

cout << "The total lost matches of the player" << endl;

cout << d << endl;

}

cqq.close();

ifstream ll;

string ds;

ll.open("average.txt", ios::out);

if (ll.is\_open()) {

ll >> ds;

cout << "The total average of the player" << endl;

cout << ds << endl;

}

ll.close();

menu();

}

void Team::updateplayer() { // this is virtual function this is not work

Team T;

cout << "\*\*\*\*\* The player update function is here \*\*\*\*\* " << endl;

int s;

fstream myfile;

myfile.open("name.txt", ios::out);

if (myfile.is\_open()) {

cout << "How many player are update by you" << endl;

cin >> s;

for (int i = 0; i < s; i++) {

cout << "Enter the new name of the player" << i + 1 << ":";

myfile << "The new name of the player is" << endl;

cin >> name[i];

myfile << name[i] << endl;

}

}

myfile.close();

fstream kl;

kl.open("shirt no of the player.txt", ios::out);

if (kl.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new shirt no of the player" << i + 1 << ":";

kl << "The new shirt no is" << endl;

cin >> Shirt\_no[i];

kl << Shirt\_no[i] << endl;

}

}

kl.close();

fstream jk;

jk.open("average.txt", ios::out);

if (kl.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new average of the player" << i + 1 << ":";

jk << "The new average is" << endl;

cin >> average[i];

jk << average[i] << endl;

}

}

jk.close();

fstream u;

u.open("ICC file.txt", ios::out);

if (u.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new ICC Ranking of the player" << i + 1 << ":";

u << "The new Icc Ranking is" << endl;

cin >> ICC\_ranking[i];

u << ICC\_ranking[i] << endl;

}

}

u.close();

fstream g;

g.open("Total runs.txt", ios::out);

if (g.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Total Runs of the player" << i + 1 << ":";

g << "The new total runs are" << endl;

cin >> Total\_runs[i];

g << Total\_runs[i] << endl;

}

}

g.close();

fstream f;

f.open("Matches played.txt", ios::out);

if (f.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Matches played of the player" << i + 1 << ":";

f << "The new matches played of the player is" << endl;

cin >> Matches\_played[i];

f << Matches\_played[i] << endl;

}

}

f.close();

fstream d;

d.open("Wickets.txt", ios::out);

if (d.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Total Wickets of the player" << i + 1 << ":";

d << "The Total wickets are" << endl;

cin >> Total\_wickets[i];

d << Total\_wickets[i] << endl;

}

}

d.close();

menu();

}

void Team::searchPlayer() {

system("cls");

Team T;

cout << "\*\*\*\*\* The player search function is here \*\*\*\*\*\*" << endl;

int s;

fstream myfile;

string na[100];

myfile.open("name.txt", ios::out);

if (myfile.is\_open()) {

cout << "How many player are search by you" << endl;

cin >> s;

for (int i = 0; i < s; i++) {

cout << "Enter the name of the player to be search" << i + 1 << ":";

cin >> na[i];

if (na[i] == T.name[i]) {

myfile <<T. name[i] << endl;

}

}

}

myfile.close();

fstream aa;

string sh[100];

aa.open("shirt no of the player.txt", ios::out);

if (aa.is\_open()) {

cout << "Enter the shirt no of the player to be search" << endl;

for (int i = 0; i < s; i++) {

cin >> sh[i];

if (sh[i] == T.Shirt\_no[i]) {

aa << T.Shirt\_no[i];

}

}

}

aa.close();

fstream qq;

string icc[100];

qq.open("ICC file.txt", ios::out);

if (qq.is\_open()) {

cout << "Enter the Icc ranking of the player to be search" << endl;

for (int i = 0; i < s; i++) {

cin >> icc[i];

if (icc[i] == T.ICC\_ranking[i]) {

qq << T.ICC\_ranking[i];

}

}

}

qq.close();

fstream gg;

string tor[100];

gg.open("Total runs.txt", ios::out);

if (gg.is\_open()) {

cout << "Enter the total runs of the player to be search" << endl;

for (int i = 0; i < s; i++) {

cin >> tor[i];

if (tor[i] == T.Total\_runs[i]) {

gg <<T.Total\_runs[i];

}

}

}

gg.close();

fstream gs;

string j[100];

gs.open("Matches played.txt", ios::out);

if (gs.is\_open()) {

cout << "Enter the total Matches of the player to be search" << endl;

for (int i = 0; i < s; i++) {

cin >> j[i];

if (j[i] == T.Matches\_played[i]) {

gs << T.Matches\_played[i];

}

}

}

gs.close();

fstream hj;

string a[100];

hj.open("Wickets.txt", ios::out);

if (hj.is\_open()) {

cout << "Enter the total Wickets of the player to be search" << endl;

for (int i = 0; i < s; i++) {

cin >> a[i];

if (a[i] == T.Total\_wickets[i]) {

hj << T.Total\_wickets[i];

}

}

}

hj.close();

fstream jj;

string woo[100];

jj.open("won.txt", ios::out);

if (jj.is\_open()) {

cout << "Enter the total matches won of the player to be search" << endl;

for (int i = 0; i < s; i++) {

cin >> woo[i];

if (woo[i] == T.Total\_Matches\_Won[i]) {

jj << T.Total\_Matches\_Won[i];

}

}

}

jj.close();

fstream ii;

string lo[100];

ii.open("lost matches.txt", ios::out);

if (ii.is\_open()) {

cout << "Enter the total matches lost of the player to be search" << endl;

for (int i = 0; i < s; i++) {

cin >> lo[i];

if (lo[i] == T.Total\_Matches\_lost[i]) {

ii << T.Total\_Matches\_lost[i];

}

}

}

ii.close();

fstream is;

string avre[100];

is.open("average.txt", ios::out);

if (is.is\_open()) {

cout << "Enter the total matches average of the player to be search" << endl;

for (int i = 0; i < s; i++) {

cin >> avre[i];

if (avre[i] == T.average[i]) {

is << T.average[i];

}

}

}

is.close();

//ifstreams files

ifstream kl;

string n;

kl.open("name.txt", ios::out);

if (kl.is\_open()) {

kl >> n;

cout << "The name of the player is" << endl;

cout << n << endl;

}

kl.close();

ifstream m;

string ns;

m.open("shirt no of the player.txt", ios::out);

if (m.is\_open()) {

m >> ns;

cout << "The shirt no of the player" << endl;

cout << ns << endl;

}

m.close();

ifstream mss;

string nss;

mss.open("ICC file.txt", ios::out);

if (mss.is\_open()) {

mss >> nss;

cout << "The Icc ranking of the player" << endl;

cout << nss << endl;

}

mss.close();

ifstream v;

string z;

v.open("Total runs.txt", ios::out);

if (v.is\_open()) {

v >> z;

cout << "The total runs of the player" << endl;

cout << z << endl;

}

v.close();

ifstream vs;

string zs;

vs.open("Matches played.txt", ios::out);

if (vs.is\_open()) {

vs >> zs;

cout << "The total Matches of the player" << endl;

cout << zs << endl;

}

vs.close();

ifstream c;

string cs;

c.open("Wickets.txt", ios::out);

if (c.is\_open()) {

c >> cs;

cout << "The total Wickets of the player" << endl;

cout << cs << endl;

}

c.close();

ifstream cq;

string css;

cq.open("won.txt", ios::out);

if (cq.is\_open()) {

cq >> css;

cout << "The total Won matches of the player" << endl;

cout << css << endl;

}

cq.close();

ifstream cqq;

string d;

cqq.open("lost matches.txt", ios::out);

if (cqq.is\_open()) {

cqq >> d;

cout << "The total lost matches of the player" << endl;

cout << d<< endl;

}

cqq.close();

ifstream ll;

string ds;

ll.open("average.txt", ios::out);

if (ll.is\_open()) {

ll >> ds;

cout << "The total average of the player" << endl;

cout << ds << endl;

}

ll.close();

menu();

}

void Team::addPlayer() {

system("cls");

Team T;

cout << "\*\*\*\*\* The player add function is here \*\*\*\*\*\*" << endl;

int s;

fstream myfile;

myfile.open("name.txt", ios::out);

if (myfile.is\_open()) {

cout << "How many player are added by you" << endl;

cin >> s;

for (int i = 0; i < s; i++) {

cout << "Enter the new name of the player" << i + 1 << ":";

myfile << "The new name of the player is" << endl;

cin >> name[i];

myfile << name[i] << endl;

}

}

myfile.close();

fstream kl;

kl.open("shirt no of the player.txt", ios::out);

if (kl.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new shirt no of the player" << i + 1 << ":";

kl << "The new shirt no is" << endl;

cin >> Shirt\_no[i];

kl << Shirt\_no[i] << endl;

}

}

kl.close();

fstream jk;

jk.open("average.txt", ios::out);

if (kl.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new average of the player" << i + 1 << ":";

jk << "The new average is" << endl;

cin >> average[i];

jk << average[i] << endl;

}

}

jk.close();

fstream u;

u.open("ICC file.txt", ios::out);

if (u.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new ICC Ranking of the player" << i + 1 << ":";

u << "The new Icc Ranking is" << endl;

cin >> ICC\_ranking[i];

u << ICC\_ranking[i] << endl;

}

}

u.close();

fstream g;

g.open("Total runs.txt", ios::out);

if (g.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Total Runs of the player" << i + 1 << ":";

g << "The new total runs are" << endl;

cin >> Total\_runs[i];

g << Total\_runs[i] << endl;

}

}

g.close();

fstream f;

f.open("Matches played.txt", ios::out);

if (f.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Matches played of the player" << i + 1 << ":";

f << "The new matches played of the player is" << endl;

cin >> Matches\_played[i];

f << Matches\_played[i] << endl;

}

}

f.close();

fstream d;

d.open("Wickets.txt", ios::out);

if (d.is\_open()) {

for (int i = 0; i < s; i++) {

cout << "Enter the new Total Wickets of the player" << i + 1 << ":";

d << "The Total wickets are" << endl;

cin >> Total\_wickets[i];

d << Total\_wickets[i] << endl;

}

}

d.close();

cout << "New player is added" << endl;

system("cls");

menu();

}

void Team::displayMatch() {

system("cls");

cout << "\*\*\*\*\* The display matches function is here \*\*\*\*\*" << endl;

cout << endl;

Match k;

cout << "The upcoming matches are" << endl;

k.display\_upcoming\_Matches();

}

void Team::updateMatches() {

system("cls");

cout << "\*\*\*\*\* The update match function is here \*\*\*\*\*" << endl;

fstream os;

int total\_matches;

int total\_teams;

string fs[100];

os.open("update matches team names.txt", ios::out);

if (os.is\_open()) {

cout << "Enter the total no of new matches" << endl;

cin >> total\_matches;

cout << "Enter the total teams" << endl;

cin >> total\_teams;

cout << "Enter the name of the new teams" << endl;

for (int i = 0; i < total\_teams; i++) {

cin >> fs[i];

os << fs[i];

os << endl;

}

}

os.close();

fstream l;

string v;

l.open("Update matches venue.txt", ios::out);

if (l.is\_open()) {

cout << "Enter the venue of the matches" << endl;

cin >> v;

l << v << endl;

}

l.close();

fstream s;

string j;

s.open("Update match type.txt ", ios::out);

if (s.is\_open()) {

cout << "Enter the match type" << endl;

cin >> j;

s << j << endl;

}

s.close();

cout << "update matches data is successful" << endl;

menu();

}

void Team::updateCoach() {

system("cls");

cout << "\*\*\*\*\* The coach function is here \*\*\*\*" << endl;

string na;

fstream myfile;

myfile.open("coach name.txt", ios::out);

if (myfile.is\_open()) {

cout << "Enter the new name of the coach" << endl;

cin >> na;

myfile << na;

}

myfile.close();

fstream sh;

string coa;

sh.open("update coach name.txt", ios::out);

if (sh.is\_open()) {

cout << "Enter the shirt no of the coach" << endl;

cin >> coa;

sh << coa << endl;

}

sh.close();

ifstream sj;

string q;

sj.open("update coach name.txt", ios::out);

if (sj.is\_open()) {

cout << "The new name of the coach is" << endl;

getline(sj, q);

cout << q << endl;

}

sj.close();

ifstream hh;

string qs;

hh.open("coach name.txt", ios::out);

if (hh.is\_open()) {

cout << "The new coach shirt no is" << endl;

getline(hh, qs);

cout << qs << endl;

}

hh.close();

menu();

}

void Team::displayTeam() {

system("cls");

cout << "\*\*\*\*\* The display function is here \*\*\*\*\*" << endl;

ifstream kl;

string n;

kl.open("name.txt", ios::out);

if (kl.is\_open()) {

kl >> n;

cout << "The name of the player is" << endl;

cout << n<< endl;

}

kl.close();

ifstream m;

string ns;

m.open("shirt no of the player.txt", ios::out);

if (m.is\_open()) {

m >> ns;

cout << "The shirt no of the player" << endl;

cout << ns << endl;

}

m.close();

ifstream mss;

string nss;

mss.open("ICC file.txt", ios::out);

if (mss.is\_open()) {

mss >> nss;

cout << "The Icc ranking of the player" << endl;

cout << nss << endl;

}

mss.close();

ifstream v;

string z;

v.open("Total runs.txt", ios::out);

if (v.is\_open()) {

v >> z;

cout << "The total runs of the player" << endl;

cout << z << endl;

}

v.close();

ifstream vs;

string zs;

vs.open("Matches played.txt", ios::out);

if (vs.is\_open()) {

vs >> zs;

cout << "The total Matches of the player" << endl;

cout << zs << endl;

}

vs.close();

ifstream c;

string cs;

c.open("Wickets.txt", ios::out);

if (c.is\_open()) {

c >> cs;

cout << "The total Wickets of the player" << endl;

cout << cs << endl;

}

c.close();

ifstream cq;

string css;

cq.open("won.txt", ios::out);

if (cq.is\_open()) {

cq >> css;

cout << "The total Won matches of the player" << endl;

cout << css << endl;

}

cq.close();

ifstream cqq;

string d;

cqq.open("lost matches.txt", ios::out);

if (cqq.is\_open()) {

cqq >> d;

cout << "The total lost matches of the player" << endl;

cout << d << endl;

}

cqq.close();

ifstream ll;

string ds;

ll.open("average.txt", ios::out);

if (ll.is\_open()) {

ll >> ds;

cout << "The total average of the player" << endl;

cout << ds << endl;

}

ll.close();

menu();

}

void Match::conductmatches() {

system("cls");

cout << "\*\*\*\*\* THE ConductMatch function is Here \*\*\*\*\*" << endl;

fstream kl;

Match d;

int no;

int type;

int choice;

string mat[100];

kl.open("conductmatches.txt", ios::out);

if (kl.is\_open()) {

cout << "Enter the no of matches" << endl;

cin >> no;

cout << "how many Teams are played" << endl;

cin >> type;

cout << "Enter the name of the teams" << endl;

for (int i = 0; i < type; i++) {

cin >> mat[i];

kl << mat[i] << ",";

}

kl.close();

string h;

getline(cin, h);

ifstream hj;

hj.open("conductmatches.txt");

if (hj.is\_open()) {

getline(hj, h);

cout << h << endl;

}

hj.close();

cout << "Enter the choice for the resechudal of the matches" << endl;

cout << "If choice is equal to 1 resechdual and two for menu" << endl;

cin >> choice;

if (choice == 1) {

d.scheduleMatches();

}

else if (choice == 2) {

}

menu();

}

}

void Match::scheduleMatches() {

system("cls");

cout << "\*\*\*\*\* The scheduleMatches function is here \*\*\*\*\*" << endl;

int choose;

int team;

int mat;

string na[100];

cout << "Enter the total no of matches" << endl;

cin >> mat;

cout << "Enter the totals teams" << endl;

cin >> team;

fstream sh;

cout << "Enter the name of the teams" << endl;

sh.open("schedual Team matches.txt", ios::out);

if (sh.is\_open()) {

for (int i = 0; i < team; i++) {

cin >> na[i];

sh << na[i];

}

}

sh.close();

fstream h;

h.open("schedual Team venue.txt", ios::out);

if (h.is\_open()) {

cout << "give venue " << endl;

cin >> venue;

h << venue;

}

h.close();

fstream kl;

kl.open("Tournament.txt", ios::out);

if (kl.is\_open()) {

cout << "Enter the tournment name is" << endl;

cin >> Tournament\_Name;

kl << Tournament\_Name;

}

kl.close();

fstream hk;

hk.open("Match Type.txt", ios::out);

if (hk.is\_open()) {

cout << "Match type" << endl;

cin >> Match\_Type;

h << Match\_Type;

h << endl;

}

hk.close();

// ifstreams files are

ifstream sz;

string hl;

cout << "The Teams names " << endl;

sz.open("schedual Team matches.txt", ios::out);

if (sz.is\_open()) {

getline(sz, hl);

cout << hl << endl;

}

sz.close();

ifstream sq;

string gh;

cout << "The venue is" << endl;

sq.open("schedual Team venue.txt", ios::out);

if (sq.is\_open()) {

getline(sq, gh);

cout << gh << endl;

}

sq.close();

ifstream a;

string ss;

cout << "The Tournament name is" << endl;

a.open("Tournament.txt", ios::out);

if (a.is\_open()) {

getline(a, ss);

cout << ss << endl;

}

a.close();

ifstream ma;

string kk;

cout << "The match type is" << endl;

ma.open("Match Type.txt", ios::out);

if (ma.is\_open()) {

getline(ma, kk);

cout << kk << endl;

}

ma.close();

}

void Match::updateWorldRecods() {

system("cls");

cout << "\*\*\*\*\* The update world record function is here \*\*\*\*\*" << endl;

string most\_runs;

string higestscore;

string most\_sixes;

string most\_fours;

string most\_centuries;

string Higest\_batting\_average;

string best\_batting\_average;

string best\_bolling\_avg;

string best\_bolling;

fstream s;

s.open("most runs.txt", ios::out);

if (s.is\_open()) {

cout << "Enter the most runs " << endl;

cin >> most\_runs;

s << most\_runs << endl;

}

s.close();

fstream h;

h.open("higest runs.txt", ios::out);

if (h.is\_open()) {

cout << "Enter the higest scores are" << endl;

cin >> higestscore;

h << higestscore << endl;

}

h.close();

fstream l;

l.open("most sixes.txt", ios::out);

if (l.is\_open()) {

cout << "Enter the most sixers in the match" << endl;

cin >> most\_sixes;

l << most\_sixes << endl;

}

l.close();

fstream j;

j.open("Most fours.txt", ios::out);

if (j.is\_open()) {

cout << "Enter the most fours in the match" << endl;

cin >> most\_fours;

j << most\_fours << endl;

}

j.close();

fstream f;

f.open("most centuries.txt", ios::out);

if (f.is\_open()) {

cout << "Enter the most centuries" << endl;

cin >> most\_centuries;

f << most\_centuries << endl;

}

f.close();

fstream so;

so.open("Higest batting.txt", ios::out);

if (so.is\_open()) {

cout << "Enter the Higest batting average" << endl;

cin >> Higest\_batting\_average;

so << Higest\_batting\_average << endl;

}

so.close();

fstream u;

u.open("best batting average.txt", ios::out);

if (u.is\_open()) {

cout << "Enter the best batting average" << endl;

cin >> best\_batting\_average;

u << best\_batting\_average << endl;

}

u.close();

fstream n;

n.open("best bowlling average.txt", ios::out);

if (n.is\_open()) {

cout << "Enter the best bowling avr" << endl;

cin >> best\_bolling\_avg;

n << best\_bolling\_avg << endl;

}

n.close();

fstream ho;

ho.open("best bowlling.txt", ios::out);

if (ho.is\_open()) {

cout << "Enter the best bowling of the match " << endl;

cin >> best\_bolling;

ho << best\_bolling << endl;

}

ho.close();

//// ifstream files

ifstream sf;

string q;

sf.open("most runs.txt", ios::out);

if (sf.is\_open()) {

getline(sf, q);

cout << "Most runs:" << q << endl;

}

sf.close();

ifstream oh;

string kl;

oh.open("higest runs.txt", ios::out);

if (oh.is\_open()) {

getline(oh, kl);

cout << "The higest scores :" << kl << endl;

}

oh.close();

ifstream lo;

string kj;

lo.open("most sixes.txt", ios::out);

if (lo.is\_open()) {

getline(lo, kj);

cout << "The most sixes are:" << kj << endl;

}

lo.close();

ifstream jo;

string fg;

jo.open("Most fours.txt", ios::out);

if (jo.is\_open()) {

getline(jo, fg);

cout << "The most fours are:" << fg << endl;

}

jo.close();

ifstream ff;

string w;

ff.open("most centuries.txt", ios::out);

if (ff.is\_open()) {

getline(ff, w);

cout << "The most centuries :" << w << endl;

}

ff.close();

ifstream ss;

string hh;

ss.open("Higest batting.txt", ios::out);

if (ss.is\_open()) {

getline(ss, hh);

cout << "The higest batting :" << hh << endl;

}

ss.close();

ifstream uo;

string gg;

uo.open("best batting average.txt", ios::out);

if (uo.is\_open()) {

getline(uo, gg);

cout << "The best batting average is:" << gg << endl;

}

u.close();

ifstream nn;

string dd;

nn.open("best bowlling average.txt", ios::out);

if (nn.is\_open()) {

getline(nn, dd);

cout << "The bowlling average :" << dd << endl;

}

nn.close();

ifstream sss;

string tt;

sss.open("best bowlling.txt", ios::out);

if (sss.is\_open()) {

getline(sss, tt);

cout <<"The best bowling is:" << tt << endl;

}

sss.close();

menu();

}

void Match::update\_player\_ranking() {

system("cls");

cout << "\*\*\*\*\* The update player ranking function is here \*\*\*\*\*" << endl;

string new\_rankingT20;

string new\_odiRanking;

string new\_TestRanking;

fstream k;

k.open("Update players ranking T20.txt", ios::out);

if (k.is\_open()) {

cout << "Enter the new t20i ranking" << endl;

cin >> new\_rankingT20;

k << new\_rankingT20 << endl;

}

k.close();

fstream d;

d.open("update players new ranking odi.txt", ios::out);

if (d.is\_open()) {

cout << "Enter the new odi ranking" << endl;

cin >> new\_odiRanking;

d << new\_odiRanking << endl;

}

d.close();

fstream f;

f.open("update player new test ranking.txt", ios::out);

if (f.is\_open()) {

cout << "Enter the new test ranking" << endl;

cin >> new\_TestRanking;

f << new\_TestRanking << endl;

}

f.close();

// ifstream files

ifstream ko;

string hl;

ko.open("Update players ranking T20.txt", ios::out);

if (ko.is\_open()) {

getline(ko, hl);

cout << "The new ranking of t20 is:" << hl << endl;

}

ko.close();

ifstream ds;

string sd;

ds.open("update players new ranking odi.txt", ios::out);

if (ds.is\_open()) {

getline(ds, sd);

cout << "The new ranking of odi is:" << sd << endl;

}

ds.close();

ifstream fs;

string hh;

fs.open("update player new test ranking.txt", ios::out);

if (fs.is\_open()) {

getline(fs, hh);

cout << "The new test ranking is:" << hh << endl;

}

fs.close();

menu();

}

void Match::display\_upcoming\_Matches() {

system("cls");

cout << "\*\*\*\*\* The display upcoming matches function is here \*\*\*\*\*" << endl;

fstream ql;

int total;

int tea;

int choice;

Match m;

string naa[100];

ql.open("display upcoming matches.txt", ios::out);

if (ql.is\_open()) {

cout << "Enter the total matches " << endl;

cin >> total;

cout << "Enter the totals teams " << endl;

cin >> tea;

cout << "Enter the teams names" << endl;

for (int i = 0; i < tea; i++) {

cin >> naa[i];

ql << naa[i];

}

}

ql.close();

fstream ll;

string upcome;

ll.open("display upcoming matches venue.txt", ios::out);

if (ll.is\_open()) {

cout << "Enter the upcoming venue" << endl;

cin >> upcome;

ll << upcome;

}

ll.close();

fstream t;

string tour;

t.open("display upcoming match tournament.txt", ios::out);

if (t.is\_open()) {

cout << "Enter the name of the tournament" << endl;

cin >> tour;

t << tour << endl;

}

t.close();

fstream qqss;

string jll;

qqss.open("display match type.txt", ios::out);

if (qqss.is\_open()) {

cout << "Enter the match type";

cin >> jll;

qqss << jll;

}

qqss.close();

// ifstream files

ifstream ss;

string jj;

cout << "The Teams names " << endl;

ss.open("display upcoming matches.txt", ios::out);

if (ss.is\_open()) {

getline(ss, jj);

cout << jj << endl;

}

ss.close();

ifstream ty;

string qq;

cout << "The venue is" << endl;

ty.open("display upcoming matches venue.txt", ios::out);

if (ty.is\_open()) {

getline(ty, qq);

cout << qq<< endl;

}

ty.close();

ifstream ad;

string ssf;

cout << "The Tournament name is" << endl;

ad.open("display upcoming match tournament.txt", ios::out);

if (ad.is\_open()) {

getline(ad, ssf);

cout << ssf << endl;

}

ad.close();

ifstream mm;

string kks;

cout << "The match type is" << endl;

mm.open("display match type.txt", ios::out);

if (mm.is\_open()) {

getline(mm, kks);

cout << kks << endl;

}

mm.close();

cout << "Enter the choice 1 for recent matches " << endl;

cin >> choice;

if (choice == 1) {

m.display\_recent\_matches();

}

}

void Match::display\_recent\_matches() {

system("cls");

cout << "\*\*\*\*\* The display recent matches function is here \*\*\*\*\*" << endl;

ifstream sks;

string jjs;

cout << "The Teams names " << endl;

sks.open("schedual Team matches.txt", ios::out);

if (sks.is\_open()) {

getline(sks, jjs);

cout << jjs << endl;

}

sks.close();

ifstream tsy;

string qqq;

cout << "The venue is" << endl;

tsy.open("schedual Team venue.txt", ios::out);

if (tsy.is\_open()) {

getline(tsy, qqq);

cout << qqq << endl;

}

tsy.close();

ifstream adf;

string sqq;

cout << "The Tournament name is" << endl;

adf.open("Tournament.txt", ios::out);

if (adf.is\_open()) {

getline(adf, sqq);

cout << sqq << endl;

}

adf.close();

ifstream msb;

string kb;

cout << "The match type is" << endl;

msb.open("Match Type.txt", ios::out);

if (msb.is\_open()) {

getline(msb, kb);

cout << kb << endl;

}

msb.close();

menu();

}

void Team::updateCaptain() {

system("cls");

cout << "\*\*\*\*\* captain function is here \*\*\*\*\*\*" << endl;

string captain\_name;

fstream s;

string k[100];

s.open("name of the captain.txt", ios::out);

if (s.is\_open()) {

cout << "Enter the name of the captain to be update" << endl;

cin >> captain\_name;

s << captain\_name << endl;

}

s.close();

fstream kl;

string st;

kl.open("Shirt no of the captain.txt", ios::out);

if (kl.is\_open()) {

cout << "Enter the new shirt no" << endl;

cin >> st;

kl << st;

}

kl.close();

// ifstreams files

ifstream jk;

string g;

jk.open("name of the captain.txt", ios::out);

if (jk.is\_open()) {

getline(jk, g);

cout << g << endl;

}

ifstream hj;

string a;

hj.open("Shirt no of the captain.txt", ios::out);

if (hj.is\_open()) {

getline(hj, a);

cout << a << endl;

}

cout << "The captain is now change" << endl;

menu();

}

void Match::update\_Team\_ranking() {

system("cls");

cout << "\*\*\*\*\* Team ranking function is \*\*\*\*\*" << endl;

fstream s;

string teamT20;

string teamODI;

string teamTest;

s.open("Update team ranking t20.txt", ios::out);

if (s.is\_open()) {

cout << "Enter the ranking of t20" << endl;

cin >> teamT20;

s << teamT20;

}

s.close();

fstream so;

so.open("Update team odi rankings.txt", ios::out);

if (so.is\_open()) {

cout << "Enter the odi ranking" << endl;

cin >> teamODI;

so << teamODI;

}

so.close();

fstream sk;

sk.open("update team test ranking.txt", ios::out);

if (sk.is\_open()) {

cout << "Enter the test ranking" << endl;

cin >> teamTest;

}

sk.close();

// ifstream files

string tT20;

string tODI;

string tTest;

ifstream sd;

sd.open("Update team ranking t20.txt", ios::out);

if (sd.is\_open()) {

getline(sd, tT20);

cout << "The T20 ranking team is:" << tT20 << endl;

}

sd.close();

ifstream jk;

jk.open("Update team odi rankings.txt", ios::out);

if (jk.is\_open()) {

getline(jk, tODI);

cout << "The Odi ranking team is:" << tODI << endl;

}

jk.close();

ifstream ss;

ss.open("update team test ranking.txt", ios::out);

if (ss.is\_open()) {

getline(ss, tTest);

cout << "The test ranking is:"<< tTest << endl;

}

ss.close();

menu();

}

**Output:**



