

**2021**

**06/30**

Programming

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A PROGRAMMER'S PERSPECTIVE

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**ROLL NO:**

**20F-0290**

**20F-0197**

**SECTION:**

**BS(SE)-2A**

Object Oriented

**CRICBUZZ:**

**Cricbuzz.h:**

#ifndef \_CRICBUZZ\_H

#define \_CRICBUZZ\_H

#include<iostream>

#include<iomanip>

#include<fstream>

#include <string>

#include <stdio.h>

#include <stdlib.h>

#include <ctime>

#include<Windows.h>

using namespace std;

class Player

{

protected:

string playername[200];

string lastname[200];

int shirtno[200];

string matchtype[4];

int matches[4][200];

int runs[4][200];

float battingavg[4][200];

int highscore[4][200];

float strikerate[4][200];

int ballsbowled[4][200];

int wickets[4][200];

float bollingavg[4][200];

int fivewickets[4][200];

float econ[4][200];

int catches[4][200];

int stumps[4][200];

int runout[4][200];

int size;

public:

void getsize();

void getplayerinformation();

void printplayerinformation();

void addplayer();

void removeplayer();

void searchplayer();

void updateplayer();

};

enum Login

{

SUCCESS = 1,

FAILURE = 0

};

class Team : public Player

{

protected:

string teamname[200];

string captionfirstname[5];

string captionlastname[5];

string coachfirstname[5];

string coachlastname[5];

string matchtypes[5];

int points[4][5];

int rating[4][5];

int match[4][5];

int win[4][5];

int lost[4][5];

Login login;

public:

void addplayers();

void removeplayers();

void searchplayers();

void updateplayers();

void getteaminformation();

void displayteam();

void updatecaption();

void updatecoach();

void displaymatches();

Login checkstatus(string firstname, string lastname, string password);

};

class Match : public Team

{

private:

string Team1[100];

string team2[100];

string Date[100];

string venue[100];

string MatchType[100];

string Tournamentname[100];

string commentatorsfirstname1[100];

string commentatorslastname1[100];

string commentatorsfirstname2[100];

string commentatorslastname2[100];

string umpiresfirstname1[100];

string umpireslastname1[100];

string umpiresfirstname2[100];

string umpireslastname2[100];

string Matchstatus;

int team1total;

int team2total;

string team1schedule, team2schedule;

int ICCRANKING;

string date1;

public:

void conductmatch();

int toss();

void team1match();

void team2match();

int winnig();

void schedulematch();

void updateworldrecords();

void updateplayerrecords();

void upcomingmatches();

void recentmatches();

};

class News : public Match

{

public:

void upcomingmatches1();

void recentmatches1();

void ICCrankingofteam();

void ICCrankingofplayer();

};

#endif

**Cricbuzz.cpp:**

};

#endif

#include "cricbuzz.h"

#include<Windows.h>

void Player::getsize()

{

cout << "Enter size of list : ";

cin >> size;

}

void Player::getplayerinformation()

{

ifstream infile;

ofstream outfile;

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

outfile.open("outfile.txt");

for (int j = 0; j < size; j++)

{

infile >> playername[j] >> lastname[j] >> shirtno[j];

for (int i = 0; i < 4; i++)

{

infile >> matchtype[i] >> matches[i][j] >> runs[i][j] >> battingavg[i][j] >> highscore[i][j] >> strikerate[i][j]

>> ballsbowled[i][j] >> wickets[i][j] >> bollingavg[i][j] >> fivewickets[i][j] >> econ[i][j] >> catches[i][j]

>> stumps[i][j] >> runout[i][j];

}

}

}

void Player::printplayerinformation()

{

char choice1;

do

{

cout << endl;

int choice;

cout << "1. press 1 if you want to check all the player rankings who was play PSC." << endl;

cout << "2. press 2 if you want to check player information according to there ranking." << endl;

cout << " Your choice : ";

cin >> choice;

switch (choice)

{

case 1:

for (int j = 0; j < size; j++)

{

cout << endl;

cout << "Player name : ";

cout << playername[j] << " " << lastname[j] << endl;

cout << "Shirt NO : " << shirtno[j] << endl;

cout << endl;

cout << "Match: " << "\t" << "M: " << "R: " << "BA.Avg: " << "HS: "

<< "SR: " << " B.B: " << " W: " << "BO.Avg: " << "5'W: " << "Econ: "

<< "C: " << "S: " << "R.O: " << endl << endl;

for (int i = 0; i < 4; i++)

{

cout << matchtype[i] << "\t" << left << setw(5) << setfill(' ') << matches[i][j] << right << runs[i][j] << " " << left

<< setw(10) << setfill(' ') << battingavg[i][j] << right << highscore[i][j] << setw(8) << setfill(' ') << strikerate[i][j]

<< setw(8) << setfill(' ') << ballsbowled[i][j] << setw(7) << setfill(' ') << wickets[i][j] << setw(10) << setfill(' ')

<< bollingavg[i][j] << setw(7) << setfill(' ') << fivewickets[i][j] << setw(11) << setfill(' ') << econ[i][j]

<< setw(6) << setfill(' ') << catches[i][j] << setw(5) << setfill(' ') << stumps[i][j] << setw(7) << setfill(' ')

<< runout[i][j] << endl;

cout << endl;

}

cout << "\t\t\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

break;

case 2:

int choice2;

cout << "Which player you want to check from 0 to 43." << endl;

cout << "your choice : ";

cin >> choice2;

for (int j = choice2; j <= choice2; j++)

{

cout << endl;

cout << "Player name : ";

cout << playername[j] << " " << lastname[j] << endl;

cout << "Shirt NO : " << shirtno[j] << endl;

cout << endl;

cout << "Match: " << "\t" << "M: " << "R: " << "BA.Avg: " << "HS: "

<< "SR: " << " B.B: " << " W: " << "BO.Avg: " << "5'W: " << "Econ: "

<< "C: " << "S: " << "R.O: " << endl << endl;

for (int i = 0; i < 4; i++)

{

cout << matchtype[i] << "\t" << left << setw(5) << setfill(' ') << matches[i][j] << right << runs[i][j] << " " << left

<< setw(10) << setfill(' ') << battingavg[i][j] << right << highscore[i][j] << setw(8) << setfill(' ') << strikerate[i][j]

<< setw(8) << setfill(' ') << ballsbowled[i][j] << setw(7) << setfill(' ') << wickets[i][j] << setw(10) << setfill(' ')

<< bollingavg[i][j] << setw(7) << setfill(' ') << fivewickets[i][j] << setw(11) << setfill(' ') << econ[i][j]

<< setw(6) << setfill(' ') << catches[i][j] << setw(5) << setfill(' ') << stumps[i][j] << setw(7) << setfill(' ')

<< runout[i][j] << endl;

cout << endl;

}

cout << "\t\t\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

break;

default:

cout << "ERROR / invalid input." << endl;

}

if (choice == 1 || choice == 2)

{

cout << endl;

cout << "if you want to check again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice1;

if (choice1 == 'y')

{

system("cls");

}

}

else

{

cout << endl;

choice1 = 'n';

}

} while (choice1 != 'n');

}

void Player::searchplayer()

{

char choice2;

do

{

string searchfirstname, searchlastname;

cout << "\t\t if you want to search the information of the player." << endl;

cout << "\t\t press Y/y to search else press N/n." << endl;

char choice1;

cout << "\t\t Choice : ";

cin >> choice1;

if (choice1 == 'y' || choice1 == 'Y')

{

cout << "\t\t Please enter the name of the player : ";

cin >> searchfirstname >> searchlastname;

for (int j = 0; j < size; j++)

{

if (playername[j] == searchfirstname && lastname[j] == searchlastname)

{

cout << endl;

cout << "Player name : ";

cout << playername[j] << " " << lastname[j] << endl;

cout << "Shirt NO : " << shirtno[j] << endl;

cout << endl;

cout << "Match: " << "\t" << "M: " << "R: " << "BA.Avg: " << "HS: "

<< "SR: " << " B.B: " << " W: " << "BO.Avg: " << "5'W: " << "Econ: "

<< "C: " << "S: " << "R.O: " << endl << endl;

for (int i = 0; i < 4; i++)

{

cout << matchtype[i] << "\t" << left << setw(5) << setfill(' ') << matches[i][j] << right << runs[i][j] << " " << left

<< setw(10) << setfill(' ') << battingavg[i][j] << right << highscore[i][j] << setw(8) << setfill(' ') << strikerate[i][j]

<< setw(8) << setfill(' ') << ballsbowled[i][j] << setw(7) << setfill(' ') << wickets[i][j] << setw(10) << setfill(' ')

<< bollingavg[i][j] << setw(7) << setfill(' ') << fivewickets[i][j] << setw(11) << setfill(' ') << econ[i][j]

<< setw(6) << setfill(' ') << catches[i][j] << setw(5) << setfill(' ') << stumps[i][j] << setw(7) << setfill(' ')

<< runout[i][j] << endl;

cout << endl;

}

cout << "\t\t\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

}

cout << endl;

printplayerinformation();

cout << endl;

cout << "if you want to search again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice2;

if (choice2 == 'y')

{

system("cls");

}

}

else

{

cout << endl;

choice2 = 'n';

}

} while (choice2 != 'n');

cout << endl;

}

void Player::addplayer()

{

char choice2;

do

{

cout << "\t\t Add the information of an new player." << endl;

cout << "\t\t press Y/y to add else press N/n." << endl;

char choice1;

int adress;

cout << "\t\t Choice : ";

cin >> choice1;

if (choice1 == 'y' || choice1 == 'Y')

{

ifstream infile;

ofstream outfile;

infile.open("infile.txt");

outfile.open("infile.txt");

cout << "\t\t please enter address less than " << size << " : ";

cin >> adress;

if (adress < 33 || adress > size)

{

cout << "\t\t invalid option." << endl;

}

else

{

string firstname, endname;

int M, R, hs, ballsb, W, fiveW, C, S, ro, shirtnumber;

float Ba, sr, Bo, econ1;

cout << "\t\t\t Enter name : ";

cin >> firstname >> endname;

cout << "\t\t\t Enter shirt no : ";

cin >> shirtnumber;

for (int type = 0; type < 4; type++)

{

cout << "\t\t " << matchtype[type] << endl;

cout << "\t\t\t Enter number of macthes : ";

cin >> M;

cout << "\t\t\t Enter runs : ";

cin >> R;

cout << "\t\t\t Enter batting average : ";

cin >> Ba;

cout << "\t\t\t Enter higest score : ";

cin >> hs;

cout << "\t\t\t Enter strike rate : ";

cin >> sr;

cout << "\t\t\t Enter number of wickets : ";

cin >> W;

cout << "\t\t\t Enter bolling average : ";

cin >> Bo;

cout << "\t\t\t Enter five wickets : ";

cin >> fiveW;

cout << "\t\t\t Enter economic rate : ";

cin >> econ1;

cout << "\t\t\t Enter number of catches : ";

cin >> C;

cout << "\t\t\t Enter number of stupms : ";

cin >> S;

cout << "\t\t\t Enter number of run out : ";

cin >> ro;

cout << "\t\t\t Enter balls bowled : ";

cin >> ballsb;

playername[adress] = firstname;

lastname[adress] = endname;

shirtno[adress] = shirtnumber;

matches[type][adress] = M;

runs[type][adress] = R;

battingavg[type][adress] = Ba;

highscore[type][adress] = hs;

strikerate[type][adress] = sr;

wickets[type][adress] = W;

bollingavg[type][adress] = Bo;

fivewickets[type][adress] = fiveW;

econ[type][adress] = econ1;

catches[type][adress] = C;

stumps[type][adress] = S;

runout[type][adress] = ro;

ballsbowled[type][adress] == ballsb;

}

for (int j = 0; j < size; j++)

{

outfile << playername[j] << " " << lastname[j];

outfile << " " << shirtno[j] << endl;

for (int i = 0; i < 4; i++)

{

outfile << matchtype[i] << endl;

outfile << matches[i][j] << " " << runs[i][j] << " " << battingavg[i][j] << " " << highscore[i][j]

<< " " << strikerate[i][j] << " " << ballsbowled[i][j] << " " << wickets[i][j]

<< " " << bollingavg[i][j] << " " << fivewickets[i][j] << " " << econ[i][j] << " "

<< catches[i][j] << " " << stumps[i][j] << " " << runout[i][j] << endl;

}

outfile << endl;

}

}

cout << endl;

printplayerinformation();

}

if (choice1 == 'y')

{

cout << endl;

cout << "if you want to add player again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice2;

if (choice2 == 'y')

{

system("cls");

}

}

else

{

cout << endl;

choice2 = 'n';

}

} while (choice2 != 'n');

cout << endl;

}

void Player::removeplayer()

{

char choice2;

do

{

cout << "\t\t if you want to delete the information of the player." << endl;

cout << "\t\t press Y/y to delete else press N/n." << endl;

char choice1;

int shirtnum;

cout << "\t\t Choice : ";

cin >> choice1;

if (choice1 == 'y' || choice1 == 'Y')

{

ifstream infile;

ofstream outfile;

infile.open("infile.txt");

outfile.open("infile.txt");

cout << "\t\t Please enter the shirt of the player : ";

cin >> shirtnum;

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

{

if (shirtno[i] == shirtnum)

{

for (int type = 0; type < 4; type++)

{

playername[i] = ' ';

lastname[i] = ' ';

matches[type][i] = 0;

shirtno[i] = 0;

runs[type][i] = 0;

battingavg[type][i] = 0;

highscore[type][i] = 0;

strikerate[type][i] = 0;

ballsbowled[type][i] = 0;

wickets[type][i] = 0;

bollingavg[type][i] = 0;

fivewickets[type][i] = 0;

econ[type][i] = 0;

catches[type][i] = 0;

stumps[type][i] = 0;

runout[type][i] = 0;

}

}

}

for (int j = 0; j < size; j++)

{

outfile << playername[j] << " " << lastname[j];

outfile << " " << shirtno[j] << endl;

for (int i = 0; i < 4; i++)

{

outfile << matchtype[i] << endl;

outfile << matches[i][j] << " " << runs[i][j] << " " << battingavg[i][j] << " " << highscore[i][j]

<< " " << strikerate[i][j] << " " << ballsbowled[i][j] << " " << wickets[i][j]

<< " " << bollingavg[i][j] << " " << fivewickets[i][j] << " " << econ[i][j] << " "

<< catches[i][j] << " " << stumps[i][j] << " " << runout[i][j] << endl;

}

outfile << endl;

}

cout << endl;

printplayerinformation();

cout << endl;

cout << "if you want to delete again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice2;

if (choice2 == 'y')

{

system("cls");

}

}

else

{

cout << endl;

choice2 = 'n';

}

} while (choice2 != 'n');

}

void Player::updateplayer()

{

char choice1;

do

{

cout << endl << endl;

cout << "\t\t update the information of an old player." << endl;

cout << "\t\t press Y/y to update else press N/n." << endl;

char choice;

int adress;

int type;

cout << "\t\t Choice : ";

cin >> choice;

if (choice == 'y' || choice == 'Y')

{

ifstream infile;

ofstream outfile;

infile.open("infile.txt");

outfile.open("infile.txt");

cout << "\t\t please enter address from 0 to 43: ";

cin >> adress;

cout << "\t\t please enter type from 0 to 3: ";

cin >> type;

if (adress > size || adress < 0)

{

cout << "\t\t invalid option." << endl;

}

else

{

string firstname, endname;

int M, R, hs, ballsb, W, fiveW, C, S, ro, shirtnumber;

float Ba, sr, Bo, econ1;

cout << "\t\t\t Enter name : ";

cin >> firstname >> endname;

cout << "\t\t\t Enter shirt no : ";

cin >> shirtnumber;

cout << "\t\t\t Enter number of macthes : ";

cin >> M;

cout << "\t\t\t Enter runs : ";

cin >> R;

cout << "\t\t\t Enter batting average : ";

cin >> Ba;

cout << "\t\t\t Enter higest score : ";

cin >> hs;

cout << "\t\t\t Enter strike rate : ";

cin >> sr;

cout << "\t\t\t Enter balls bowled : ";

cin >> ballsb;

cout << "\t\t\t Enter number of wickets : ";

cin >> W;

cout << "\t\t\t Enter bolling average : ";

cin >> Bo;

cout << "\t\t\t Enter five wickets : ";

cin >> fiveW;

cout << "\t\t\t Enter economic rate : ";

cin >> econ1;

cout << "\t\t\t Enter number of catches : ";

cin >> C;

cout << "\t\t\t Enter number of stupms : ";

cin >> S;

cout << "\t\t\t Enter number of run out : ";

cin >> ro;

playername[adress] = firstname;

lastname[adress] = endname;

shirtno[adress] = shirtnumber;

matches[type][adress] = M;

runs[type][adress] = R;

battingavg[type][adress] = Ba;

highscore[type][adress] = hs;

strikerate[type][adress] = sr;

ballsbowled[type][adress] == ballsb;

wickets[type][adress] = W;

bollingavg[type][adress] = Bo;

fivewickets[type][adress] = fiveW;

econ[type][adress] = econ1;

catches[type][adress] = C;

stumps[type][adress] = S;

runout[type][adress] = ro;

for (int j = 0; j < size; j++)

{

outfile << playername[j] << " " << lastname[j];

outfile << " " << shirtno[j] << endl;

for (int i = 0; i < 4; i++)

{

outfile << matchtype[i] << endl;

outfile << matches[i][j] << " " << runs[i][j] << " " << battingavg[i][j] << " " << highscore[i][j]

<< " " << strikerate[i][j] << " " << ballsbowled[i][j] << " " << wickets[i][j]

<< " " << bollingavg[i][j] << " " << fivewickets[i][j] << " " << econ[i][j] << " "

<< catches[i][j] << " " << stumps[i][j] << " " << runout[i][j] << endl;

}

outfile << endl;

}

cout << endl;

printplayerinformation();

}

}

if (choice == 'y')

{

cout << endl;

cout << "if you want to update again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice1;

if (choice1 == 'y')

{

system("cls");

}

}

else

{

cout << endl;

choice1 = 'n';

}

} while (choice1 != 'n');

}

void Team::addplayers()

{

Player::getsize();

Player::addplayer();

}

void Team::removeplayers()

{

Player::removeplayer();

}

void Team::searchplayers()

{

Player::searchplayer();

}

void Team::updateplayers()

{

Player::getplayerinformation();

Player::updateplayer();

}

void Team::getteaminformation()

{

ifstream file;

ofstream outfile;

file.open("infile2.txt", ios::out);

outfile.open("outfile2.txt");

for (int j = 0; j < 4; j++)

{

file >> teamname[j] >> captionfirstname[j] >> captionlastname[j] >> coachfirstname[j]

>> coachlastname[j];

for (int i = 0; i < 3; i++)

{

file >> matchtypes[i] >> points[i][j] >> rating[i][j] >> match[i][j] >> win[i][j]

>> lost[i][j];

}

}

}

void Team::displayteam()

{

char choice1;

do

{

cout << endl;

int choice;

cout << "1. press 1 if you want to check all the team rankings who was play PSC." << endl;

cout << "2. press 2 if you want to check team information according to there ranking." << endl;

cout << " Your choice : ";

cin >> choice;

switch (choice)

{

case 1:

for (int j = 0; j < 4; j++)

{

cout << endl;

cout << "Team name : ";

cout << teamname[j] << endl;

cout << "Coach name : ";

cout << coachfirstname[j] << " " << coachlastname[j] << endl;

cout << "Caption : " << captionfirstname[j] << " " << captionlastname[j] << endl;

cout << endl;

cout << "Match: " << "\t" << "Matches: " << "Win: " << "lose: " << "points: "

<< "Rating: " << endl << endl;

for (int i = 0; i < 3; i++)

{

cout << matchtypes[i] << "\t " << left << setw(10) << setfill(' ') << match[i][j] << right << win[i][j] << " "

<< left << setw(10) << setfill(' ') << lost[i][j] << right << points[i][j] << setw(10) << setfill(' ')

<< rating[i][j] << endl;

cout << endl;

}

cout << "\t\t\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

cout << endl;

cout << "if you want to check again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice1;

if (choice1 == 'y')

{

system("cls");

}

break;

case 2:

int choice2;

cout << "Which team you want to check from 0 to 3." << endl;

cout << "your choice : ";

cin >> choice2;

for (int j = choice2; j <= choice2; j++)

{

cout << endl;

cout << "Team name : ";

cout << teamname[j] << endl;

cout << "Coach name : ";

cout << coachfirstname[j] << " " << coachlastname[j] << endl;

cout << "Caption : " << captionfirstname[j] << " " << captionlastname[j] << endl;

cout << endl;

cout << "Match: " << "\t" << "Matches: " << "Win: " << "lose: " << "points: "

<< "Rating: " << endl << endl;

for (int i = 0; i < 3; i++)

{

cout << matchtypes[i] << "\t " << left << setw(10) << setfill(' ') << match[i][j] << right << win[i][j] << " "

<< left << setw(10) << setfill(' ') << lost[i][j] << right << points[i][j] << setw(10) << setfill(' ')

<< rating[i][j] << endl;

cout << endl;

}

cout << "\t\t\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

cout << endl;

cout << "if you want to check again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice1;

if (choice1 == 'y')

{

system("cls");

}

break;

default:

cout << "ERROR / invalid input." << endl;

choice1 = 'n';

break;

}

} while (choice1 != 'n');

}

void Team::updatecaption()

{

char choice1;

do

{

cout << endl << endl;

cout << "\t\t update the information of caption." << endl;

cout << "\t\t press Y/y to update else press N/n." << endl;

char choice;

int adress;

cout << "\t\t Choice : ";

cin >> choice;

if (choice == 'y' || choice == 'Y')

{

ifstream infile;

ofstream outfile;

infile.open("infile2.txt");

outfile.open("infile2.txt");

cout << "\t\t please enter address from 0 to 3: ";

cin >> adress;

if (adress > 4 || adress < 0)

{

cout << "\t\t invalid option." << endl;

}

else

{

string firstname, endname;

cout << "\t\t\t Enter name : ";

cin >> firstname >> endname;

captionfirstname[adress] = firstname;

captionlastname[adress] = endname;

for (int j = 0; j < 4; j++)

{

outfile << teamname[j] << endl;

outfile << captionfirstname[j] << " " << captionlastname[j] << endl;

outfile << coachfirstname[j] << " " << coachlastname[j] << endl;

for (int i = 0; i < 3; i++)

{

outfile << matchtypes[i] << endl;

outfile << points[i][j] << " " << rating[i][j] << " " << match[i][j] << " " << win[i][j] << " " << lost[i][j] << endl;

}

outfile << endl;

}

}

cout << endl;

displayteam();

}

if (choice == 'y')

{

cout << endl;

cout << "if you want to update again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice1;

if (choice1 == 'y')

{

system("cls");

}

}

else

{

cout << endl;

choice1 = 'n';

}

} while (choice1 != 'n');

}

void Team::updatecoach()

{

char choice1;

do

{

cout << endl << endl;

cout << "\t\t update the information of coach." << endl;

cout << "\t\t press Y/y to update else press N/n." << endl;

char choice;

int adress;

cout << "\t\t Choice : ";

cin >> choice;

if (choice == 'y' || choice == 'Y')

{

ifstream infile;

ofstream outfile;

infile.open("infile2.txt");

outfile.open("infile2.txt");

cout << "\t\t please enter address from 0 to 3: ";

cin >> adress;

if (adress > 4 || adress < 0)

{

cout << "\t\t invalid option." << endl;

}

else

{

string firstname, endname;

cout << "\t\t\t Enter name : ";

cin >> firstname >> endname;

coachfirstname[adress] = firstname;

coachlastname[adress] = endname;

for (int j = 0; j < 4; j++)

{

outfile << teamname[j] << endl;

outfile << captionfirstname[j] << " " << captionlastname[j] << endl;

outfile << coachfirstname[j] << " " << coachlastname[j] << endl;

for (int i = 0; i < 3; i++)

{

outfile << matchtypes[i] << endl;

outfile << points[i][j] << " " << rating[i][j] << " " << match[i][j] << " " << win[i][j] << " " << lost[i][j] << endl;

}

outfile << endl;

}

}

cout << endl;

displayteam();

}

if (choice == 'y')

{

cout << endl;

cout << "if you want to update again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice1;

if (choice1 == 'y')

{

system("cls");

}

}

else

{

cout << endl;

choice1 = 'n';

}

} while (choice1 != 'n');

}

void Team::displaymatches()

{

char choice7;

do

{

cout << "\t\t if you want to check match information of the teams." << endl;

cout << "\t\t press Y/y to check else press N/n." << endl;

char choice6;

cout << "\t\t Choice : ";

cin >> choice6;

string date[100], time[100], timetype[100], teamname1[100], teamname2[100];

string matchT[100];

int team1score[100];

double team1over[100], team2over[100];

int team1wickets[100], team2wickets[100];

string scoretype1[100];

int team2score[100];

string scoretype2[100];

string result[100];

string menofmatchfirstname[100], menofmatchlastname[100];

if (choice6 == 'y' || choice6 == 'Y')

{

int choice;

cout << endl;

cout << "1. press 1 for previous matches." << endl;

cout << "2. press 2 for upcoming matches." << endl;

cout << "\t Your choice : ";

cin >> choice;

ifstream infile;

switch (choice)

{

case 1:

cout << endl;

cout << "Information." << endl;

cout << "1.press 1 for Test match." << endl;

cout << "2.press 2 for ODI match." << endl;

cout << "3.press 3 for T20I match." << endl;

int choice3;

cout << "\t\t Choice : ";

cin >> choice3;

switch (choice3)

{

case 1:

infile.open("Testmatchesprevious.txt", ios::out);

for (int j = 0; j < 9; j++)

{

infile >> date[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> team1score[j] >> scoretype1[j]

>> team2score[j] >> scoretype2[j] >> result[j] >> menofmatchfirstname[j]

>> menofmatchlastname[j];

}

for (int j = 0; j < 9; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl;

cout << "\t\t " << team1score[j] << "\t\t" << scoretype1[j] << "\t " << team2score[j] << endl << endl;

cout << "\t\t\t " << result[j] << endl;

cout << "\t\t\t Men of the match : " << menofmatchfirstname[j] << " " << menofmatchlastname[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

case 2:

infile.open("odimatchesprevious.txt", ios::out);

for (int j = 0; j < 11; j++)

{

infile >> date[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> team1score[j] >> team1over[j]

>> team1wickets[j] >> team2score[j] >> team2over[j] >> team2wickets[j] >> result[j] >> menofmatchfirstname[j]

>> menofmatchlastname[j];

}

for (int j = 0; j < 11; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl;

cout << "\t\t " << team1score[j] << "\t\t\t " << team2score[j] << endl << endl;

cout << "\t\t " << team1over[j] << "\t\t\t " << team2over[j] << endl << endl;

cout << "\t\t " << team1wickets[j] << "\t\t\t " << team2wickets[j] << endl << endl;

cout << "\t\t\t " << result[j] << endl;

cout << "\t\t\t Men of the match : " << menofmatchfirstname[j] << " " << menofmatchlastname[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

case 3:

infile.open("T20matchespervious.txt", ios::out);

for (int j = 0; j < 7; j++)

{

infile >> date[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> team1score[j] >> team1over[j]

>> team1wickets[j] >> team2score[j] >> team2over[j] >> team2wickets[j] >> result[j] >> menofmatchfirstname[j]

>> menofmatchlastname[j];

}

for (int j = 0; j < 7; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl;

cout << "\t\t " << team1score[j] << "\t\t\t " << team2score[j] << endl << endl;

cout << "\t\t " << team1over[j] << "\t\t\t " << team2over[j] << endl << endl;

cout << "\t\t " << team1wickets[j] << "\t\t\t " << team2wickets[j] << endl << endl;

cout << "\t\t\t " << result[j] << endl;

cout << "\t\t\t Men of the match : " << menofmatchfirstname[j] << " " << menofmatchlastname[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

default:

cout << "\t ERROR / Invalid input." << endl;

break;

}

break;

case 2:

cout << endl;

cout << "Information." << endl;

cout << "1.press 1 for Test match." << endl;

cout << "2.press 2 for ODI match." << endl;

cout << "3.press 3 for T20I match." << endl;

int choice9;

cout << "\t\t Choice : ";

cin >> choice9;

switch (choice9)

{

case 1:

infile.open("Testmatchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> date[j] >> time[j] >> timetype[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> result[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << result[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

case 2:

infile.open("odimatchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> date[j] >> time[j] >> timetype[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> result[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << result[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

case 3:

infile.open("T20matchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> date[j] >> time[j] >> timetype[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> result[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << result[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

default:

cout << "Error / invalid input." << endl;

break;

}

break;

default:

cout << "\t ERROR / invalid input." << endl;

break;

}

cout << endl;

cout << "if you want to check matches information again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice7;

if (choice7 == 'y')

{

system("cls");

}

}

else if (choice6 == 'n')

{

choice7 = 'n';

}

}while (choice7 != 'n');

}

Login Team::checkstatus(string firstname, string lastname, string password)

{

if (firstname == "Muntazer" && lastname == "Mehdi" && password == "admin@123")

{

return SUCCESS;

}

else if(password != "admin@123")

{

cout << "\t Invalid password......" << endl;

return FAILURE;

}

else if (firstname != "Muntazer" || lastname != "Mehdi")

{

cout << "\t Invalid user name......" << endl;

return FAILURE;

}

else

{

return FAILURE;

}

}

void Match::conductmatch()

{

Team::getteaminformation();

char choice;

ifstream infile;

string time[100], timetype[100];

do

{

cout << "\t\t if you want to Conduct match." << endl;

cout << "\t\t press Y/y to conduct else press N/n." << endl;

char choice2;

cout << "\t\t Choice : ";

cin >> choice2;

cout << endl;

if (choice2 == 'y' || choice2 == 'Y')

{

cout << endl;

ICCRANKING = 1;

cout << "Information." << endl;

cout << "1.press 1 for Test match." << endl;

cout << "2.press 2 for ODI match." << endl;

cout << "3.press 3 for T20I match." << endl;

int choice1;

cout << "\t\t Choice : ";

cin >> choice1;

cout << endl;

switch (choice1)

{

case 1:

infile.open("Testmatchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> Date[j] >> time[j] >> timetype[j] >> Team1[j] >> team2[j] >> MatchType[j] >> venue[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << Date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << MatchType[j] << endl << endl;

cout << "\t\t" << Team1[j] << "\t\t\t" << team2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << venue[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

cout << "\t\t Please enter date of match : ";

cin >> date1;

cout << endl;

for (int j = 0; j < 6; j++)

{

if (Date[j] == date1)

{

cout << endl;

cout << "\t\t" << Date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << MatchType[j] << endl << endl;

cout << "\t\t" << Team1[j] << "\t\t\t" << team2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << venue[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

}

cout << endl;

break;

case 2:

infile.open("odimatchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> Date[j] >> time[j] >> timetype[j] >> Team1[j] >> team2[j] >> MatchType[j] >> venue[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << Date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << MatchType[j] << endl << endl;

cout << "\t\t" << Team1[j] << "\t\t\t" << team2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << venue[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

cout << "\t\t Please enter date of match : ";

cin >> date1;

cout << endl;

for (int j = 0; j < 6; j++)

{

if (Date[j] == date1)

{

cout << endl;

cout << "\t\t" << Date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << MatchType[j] << endl << endl;

cout << "\t\t" << Team1[j] << "\t\t\t" << team2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << venue[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

}

cout << endl;

break;

case 3:

infile.open("T20matchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> Date[j] >> time[j] >> timetype[j] >> Team1[j] >> team2[j] >> MatchType[j] >> venue[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << Date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << MatchType[j] << endl << endl;

cout << "\t\t" << Team1[j] << "\t\t\t" << team2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << venue[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

cout << "\t\t Please enter date of match : ";

cin >> date1;

cout << endl;

for (int j = 0; j < 6; j++)

{

if (Date[j] == date1)

{

cout << endl;

cout << "\t\t" << Date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << MatchType[j] << endl << endl;

cout << "\t\t" << Team1[j] << "\t\t\t" << team2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << venue[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

}

cout << endl;

break;

default:

cout << "Error / invalid input." << endl;

break;

}

cout << endl;

cout << "if you want to check matches information again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice;

ifstream conduct;

conduct.open("conductmatch.txt", ios::out);

for (int j = 0; j < 1; j++)

{

conduct >> Tournamentname[j] >> commentatorsfirstname1[j] >> commentatorslastname1[j] >> commentatorsfirstname2[j]

>> commentatorslastname2[j] >> umpiresfirstname1[j] >> umpireslastname1[j] >> umpiresfirstname2[j]

>> umpireslastname2[j] >> Matchstatus[j];

}

system("cls");

cout << endl;

for (int j = 0; j < 6; j++)

{

if (Date[j] == date1)

{

for (int i = 0; i < 1; i++)

{

cout << "\t\t\t " << Tournamentname[i] << endl;

cout << endl;

cout << "\t The match will be conducting b/w || " << Team1[j] << " / " << team2[j] << " ||" << endl;

cout << endl;

cout << "\t\t " << Team1[j] << " VS " << team2[j] << endl;

cout << "\t\t\t " << MatchType[j] << endl;

cout << endl;

cout << "\t\t Commentators : " << endl;

cout << "\t\t\t " << commentatorsfirstname1[i] << " " << commentatorslastname1[i] << endl;

cout << "\t\t\t " << commentatorsfirstname2[i] << " " << commentatorslastname2[i] << endl;

cout << endl;

cout << "\t\t Umpires : " << endl;

cout << "\t\t\t " << umpiresfirstname1[i] << " " << umpireslastname1[i] << endl;

cout << "\t\t\t " << umpiresfirstname2[i] << " " << umpireslastname2[i] << endl;

}

cout << endl;

cout << "\t Finally your time is over." << endl;

cout << "\t Match was conducted." << endl;

cout << endl;

cout << "\t\t " << Team1[j] << " VS " << team2[j] << endl;

cout << endl;

cout << "\t Please caption's comes forward." << endl;

cout << endl;

cout << "\t ";

if (Team1[j] == "Ravens")

{

cout << captionfirstname[0] << captionlastname[0] << " / ";

}

if (team2[j] == "Ravens")

{

cout << captionfirstname[0] << captionlastname[0] << " / ";

}

if (Team1[j] == "Redskins")

{

cout << captionfirstname[1] << captionlastname[1] << " / ";

}

if (team2[j] == "Redskins")

{

cout << captionfirstname[1] << captionlastname[1] << " / ";

}

if (Team1[j] == "Saints")

{

cout << captionfirstname[2] << captionlastname[2] << " / ";

}

if (team2[j] == "Saints")

{

cout << captionfirstname[2] << captionlastname[2] << " / ";

}

if (Team1[j] == "Bisons")

{

cout << captionfirstname[3] << captionlastname[3] << " / ";

}

if (team2[j] == "Bisons")

{

cout << captionfirstname[3] << captionlastname[3] << " / ";

}

cout << endl << endl;

cout << "\t Know toss was Conducted." << endl;

int tosswon;

if (toss() == 1)

{

cout << "\t Toss : Head." << endl;

cout << "\t " << Team1[j] << " won the toss." << endl;

cout << "\t" << Team1[j] << " Please select batting / bowling." << endl;

tosswon = 1;

}

else if (toss() == 2)

{

cout << "\t Toss : tail." << endl;

cout << "\t " << team2[j] << " won the toss." << endl;

cout << "\t" << team2[j] << " Please select batting / bowling." << endl;

tosswon = 2;

}

int choice4;

int team1total = 0;

cout << "\t 1. Batting." << endl;

cout << "\t 2. Bowling." << endl;

cout << "\t Your choice : ";

cin >> choice4;

switch (choice4)

{

case 1:

cout << "\t Match was start." << endl;

if (tosswon == 1)

{

cout << "\t " << Team1[j] << endl;

}

else if (tosswon == 2)

{

cout << "\t " << team2[j] << endl;

}

cout << " won The toss / team was choose batting." << endl;

team1match();

cout << endl;

team2match();

cout << endl;

if (winnig() == 1)

{

cout << "\t " << Team1[j] << " won the Match." << endl;

}

else if (winnig() == 2)

{

cout << "\t " << team2[j] << " won the Match." << endl;

}

else if (winnig() == 0)

{

cout << "\t Match draw." << endl;

}

break;

case 2:

cout << "\t Match was start." << endl;

if (tosswon == 1)

{

cout << "\t " << Team1[j] << endl;

}

else if (tosswon == 2)

{

cout << "\t " << team2[j] << endl;

}

cout << " won The toss / team was choose bolling." << endl;

team1match();

cout << endl;

team2match();

cout << endl;

if (winnig() == 1)

{

cout << "\t " << Team1[j] << " won the Match." << endl;

}

else if (winnig() == 2)

{

cout << "\t " << team2[j] << " won the Match." << endl;

}

else if (winnig() == 0)

{

cout << "\t Match draw." << endl;

}

break;

default:

cout << "\t ERROR / Invalid Input..." << endl;

break;

}

char choice5;

cout << endl;

cout << "\t If you want to clear all screen and conduct match again." << endl;

cout << "\t Press 'y' || press 'n'. " << endl;

cout << "\t Your choice : ";

cin >> choice5;

if (choice5 == 'y')

{

system("cls");

}

cout << endl;

conductmatch();

}

}

}

else

{

choice = 'n';

}

} while (choice != 'n');

}

int Match::toss()

{

srand((time(0)));

int toss = 1 + rand() % 2;

return toss;

}

void Match::team1match()

{

srand((time(0)));

int total1 = 0, total2 = 0, total3 = 0, total4 = 0, total5 = 0, total6 = 0, total7 = 0, total8 = 0, total9 = 0;

int count1 = 0, count2 = 0, count3 = 0, wickets = 0;

int overs;

int overs2 = 0;

for (overs = 1; overs <= 120; overs++)

{

if (overs % 2 == 0)

{

if (overs <= 10)

{

int toss = 4;

total1 = total1 + toss;

cout << "This is a great four." << endl;

}

if (overs > 10 && overs <= 30)

{

int toss = 0 + rand() % 2;

total6 = total6 + toss;

if (toss == 0)

{

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

}

else if (overs > 30 && overs <= 40)

{

int toss = 6;

total3 = total3 + toss;

cout << "This is a great Six." << endl;

}

else if (overs > 40 && overs <= 60)

{

int toss = 0 + rand() % 2;

total7 = total7 + toss;

if (toss == 0)

{

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

}

else if (overs > 60 && overs <= 70)

{

int toss = 4;

total2 = total2 + toss;

cout << "This is a great four." << endl;

}

else if (overs > 70 && overs <= 90)

{

int toss = 0 + rand() % 2;

total8 = total8 + toss;

if (toss == 0)

{

wickets++;

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

}

else if (overs > 90 && overs <= 100)

{

int toss = 6;

total4 = total4 + toss;

cout << "This is a great six." << endl;

}

else if (overs > 100 && overs <= 120)

{

int toss = 0 + rand() % 2;

total9 = total9 + toss;

if (toss == 0)

{

wickets++;

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

}

if (overs2 < 5)

{

overs2++;

}

else

{

overs2 = 0;

}

team1total = total1 + total2 + total3 + total4 + total5 + total6 + total7 + total8 + total9;

cout << "Total runs : " << team1total << endl;

cout << "Wickets taken : " << wickets << endl;

if (overs / 6 == 20)

{

overs2 = 0;

}

cout << "Total Overs : " << setprecision(1) << fixed << overs/6 << "." << overs2 << endl;

}

else

{

int toss = 0 + rand() % 2;

total5 = total5 + toss;

if (toss == 0)

{

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

if (overs2 < 5)

{

overs2++;

}

else

{

overs2 = 0;

}

team1total = total1 + total2 + total3 + total4 + total5 + total6 + total7 + total8 + total9;

cout << "Total runs : " << team1total << endl;

cout << "Wickets taken : " << wickets << endl;

if (overs / 6 == 20)

{

overs2 = 0;

}

cout << "Total Overs : " << setprecision(1) << fixed << overs/6 << "." << overs2 << endl;

}

if (wickets == 10)

{

overs = 120;

}

Sleep(100);

system("cls");

}

cout << endl;

team1total = total1 + total2 + total3 + total4 + total5 + total6 + total7 + total8 + total9;

cout << "Total runs : " << team1total << endl;

cout << "Wickets taken : " << wickets << endl;

if (overs / 6 == 20)

{

overs2 = 0;

}

cout << "Total Overs : " << setprecision(1) << fixed << overs/6 << "." << overs2 << endl;

Sleep(10000);

}

void Match::team2match()

{

srand((time(0)));

int total1 = 0, total2 = 0, total3 = 0, total4 = 0, total5 = 0, total6 = 0, total7 = 0, total8 = 0, total9 = 0;

int count1 = 0, count2 = 0, count3 = 0, wickets = 0;

int overs = 0;

int overs1;

int overs2 = 0;

for (overs1 = 1; overs1 <= 120; overs1++)

{

if (overs1 % 2 == 0)

{

if (overs1 <= 10)

{

int toss = 4;

total1 = total1 + toss;

cout << "This is a great four." << endl;

}

if (overs1 > 10 && overs1 <= 30)

{

int toss = 0 + rand() % 2;

total6 = total6 + toss;

if (toss == 0)

{

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

}

else if (overs1 > 30 && overs1 <= 40)

{

int toss = 6;

total3 = total3 + toss;

cout << "This is a great Six." << endl;

}

else if (overs1 > 40 && overs1 <= 60)

{

int toss = 0 + rand() % 2;

total7 = total7 + toss;

if (toss == 0)

{

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

}

else if (overs1 > 60 && overs1 <= 70)

{

int toss = 4;

total2 = total2 + toss;

cout << "This is a great four." << endl;

}

else if (overs1 > 70 && overs1 <= 90)

{

int toss = 0 + rand() % 2;

total8 = total8 + toss;

if (toss == 0)

{

wickets++;

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

}

else if (overs1 > 90 && overs1 <= 100)

{

int toss = 6;

total4 = total4 + toss;

cout << "This is a great six." << endl;

}

else if (overs1 > 100 && overs1 <= 120)

{

int toss = 0 + rand() % 2;

total9 = total9 + toss;

if (toss == 0)

{

wickets++;

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

}

if (overs2 < 5)

{

overs2++;

}

else

{

overs2 = 0;

}

overs++;

team2total = total1 + total2 + total3 + total4 + total5 + total6 + total7 + total8 + total9;

cout << "Total runs : " << team2total << endl;

cout << "Wickets taken : " << wickets << endl;

if (overs1 / 6 == 20)

{

overs2 = 0;

}

cout << "Total Overs : " << setprecision(1) << fixed << overs / 6 << "." << overs2 << endl;

}

else

{

int toss = 0 + rand() % 2;

total5 = total5 + toss;

if (toss == 0)

{

cout << "No run was taken." << endl;

}

if (toss == 1)

{

cout << "Single run was taken." << endl;

}

if (toss == 2)

{

cout << "Know double run occurs" << endl;

}

if (overs2 < 5)

{

overs2++;

}

else

{

overs2 = 0;

}

overs++;

team2total = total1 + total2 + total3 + total4 + total5 + total6 + total7 + total8 + total9;

cout << "Total runs : " << team2total << endl;

cout << "Wickets taken : " << wickets << endl;

if (overs1 / 6 == 20)

{

overs2 = 0;

}

cout << "Total Overs : " << setprecision(1) << fixed << overs / 6 << "." << overs2 << endl;

}

if (wickets == 10)

{

overs1 = 120;

}

if (team2total > team1total)

{

overs1 = 120;

}

Sleep(100);

system("cls");

cout << endl;

cout << "Target is : " << team1total << endl;

if (team2total <= team1total)

{

cout << "Remaining : " << team1total - team2total << endl;

}

}

team2total = total1 + total2 + total3 + total4 + total5 + total6 + total7 + total8 + total9;

cout << "Total runs : " << team2total << endl;

cout << "Wickets taken : " << wickets << endl;

if (overs1 / 6 == 20)

{

overs2 = 0;

}

cout << "Total Overs : " << setprecision(1) << fixed << overs / 6 << "." << overs2 << endl;

}

int Match::winnig()

{

int draw = 0, team1winning = 1, team2winning = 2;

if (team1total > team2total)

{

return team1winning;

}

else if (team1total < team2total)

{

return team2winning;

}

else if (team1total == team2total)

{

return draw;

}

}

void Match::schedulematch()

{

Team::getteaminformation();

char choice;

ifstream infile;

string time[100], timetype[100];

do

{

cout << "\t\t if you want to Schedule match." << endl;

cout << "\t\t press Y/y to Schedule else press N/n." << endl;

char choice2;

cout << "\t\t Choice : ";

cin >> choice2;

cout << endl;

if (choice2 == 'y' || choice2 == 'Y')

{

displayteam();

ICCRANKING = 2;

cout << endl;

cout << "\t Enter Team 1 name : ";

cin >> team1schedule;

cout << endl;

cout << "\t Enter Team 2 name : ";

cin >> team2schedule;

cout << endl;

for (int j = 0; j < 4; j++)

{

if (teamname[j] == team1schedule || teamname[j] == team2schedule)

{

cout << endl;

cout << "Team name : ";

cout << teamname[j] << endl;

cout << "Coach name : ";

cout << coachfirstname[j] << " " << coachlastname[j] << endl;

cout << "Caption : " << captionfirstname[j] << " " << captionlastname[j] << endl;

cout << endl;

cout << "Match: " << "\t" << "Matches: " << "Win: " << "lose: " << "points: "

<< "Rating: " << endl << endl;

for (int i = 0; i < 3; i++)

{

cout << matchtypes[i] << "\t " << left << setw(10) << setfill(' ') << match[i][j] << right << win[i][j] << " "

<< left << setw(10) << setfill(' ') << lost[i][j] << right << points[i][j] << setw(10) << setfill(' ')

<< rating[i][j] << endl;

cout << endl;

}

cout << "\t\t\t\t ---------------------------------------- \t\t" << endl;

cout << endl;

}

}

for (int j = 0; j < 1; j++)

{

char choice3;

cout << "\t If you want to conduct match." << endl;

cout << "\t Press 'y' || press 'n'." << endl;

cout << "\t Your choice : ";

cin >> choice3;

if (choice3 == 'y' || choice3 == 'Y')

{

cout << "\t Please Enter all Information Realted to Match." << endl;

cout << "\t Tournament name : ";

cin >> Tournamentname[j];

cout << endl;

cout << "\t Commentators : " << endl;

cout << "\t\t ";

cin >> commentatorsfirstname1[j] >> commentatorslastname1[j];

cout << "\t\t ";

cin >> commentatorsfirstname2[j] >> commentatorslastname2[j];

cout << endl;

cout << "\t Umpires : " << endl;

cout << "\t\t ";

cin >> umpiresfirstname1[j] >> umpireslastname1[j];

cout << "\t\t ";

cin >> umpiresfirstname2[j] >> umpireslastname2[j];

cout << endl;

cout << "\t Date : ";

cin >> Date[j];

cout << endl;

cout << "\t Time : ";

cin >> time[j] >> timetype[j];

cout << endl;

cout << "Teams : " << endl;

cout << "\t\t ";

cout << team1schedule << endl;

cout << "\t\t ";

cout << team2schedule;

cout << endl;

cout << "\t Match type : ";

cin >> MatchType[j];

cout << endl;

cout << "\t Stadium : ";

cin >> venue[j];

ofstream outfile;

outfile.open("Schedulematch.txt");

outfile << Tournamentname[j] << endl << commentatorsfirstname1[j] << " " << commentatorslastname1[j]

<< endl << commentatorsfirstname2[j] << " " << commentatorslastname2[j] << endl

<< umpiresfirstname1[j] << " " << umpireslastname1[j] << endl << umpiresfirstname2[j]

<< " " << umpireslastname2[j] << endl << Date[j] << endl << time[j] << " " << timetype[j] << endl

<< team1schedule << " " << team2schedule << endl << MatchType[j] << endl << venue[j] << endl;

}

}

cout << endl;

cout << endl;

system("cls");

cout << endl;

for (int j = 0; j < 1; j++)

{

if (teamname[j] == team1schedule || teamname[j] == team2schedule)

{

for (int i = 0; i < 1; i++)

{

cout << "\t\t\t " << Tournamentname[i] << endl;

cout << endl;

cout << "\t The match will be conducting b/w || " << Team1[j] << " / " << team2[j] << " ||" << endl;

cout << endl;

cout << "\t\t " << team1schedule << " VS " << team2schedule << endl;

cout << "\t\t\t " << MatchType[j] << endl;

cout << endl;

cout << "\t\t Commentators : " << endl;

cout << "\t\t\t " << commentatorsfirstname1[i] << " " << commentatorslastname1[i] << endl;

cout << "\t\t\t " << commentatorsfirstname2[i] << " " << commentatorslastname2[i] << endl;

cout << endl;

cout << "\t\t Umpires : " << endl;

cout << "\t\t\t " << umpiresfirstname1[i] << " " << umpireslastname1[i] << endl;

cout << "\t\t\t " << umpiresfirstname2[i] << " " << umpireslastname2[i] << endl;

}

cout << endl;

cout << "\t Finally your time is over." << endl;

cout << "\t Match was conducted." << endl;

cout << endl;

cout << "\t\t " << team1schedule << " VS " << team2schedule << endl;

cout << endl;

cout << "\t Please caption's comes forward." << endl;

cout << endl;

cout << "\t ";

if (team1schedule == "Ravens")

{

cout << captionfirstname[0] << captionlastname[0] << " / ";

}

if (team2schedule == "Ravens")

{

cout << captionfirstname[0] << captionlastname[0] << " / ";

}

if (team1schedule == "Redskins")

{

cout << captionfirstname[1] << captionlastname[1] << " / ";

}

if (team2schedule == "Redskins")

{

cout << captionfirstname[1] << captionlastname[1] << " / ";

}

if (team1schedule == "Saints")

{

cout << captionfirstname[2] << captionlastname[2] << " / ";

}

if (team2schedule == "Saints")

{

cout << captionfirstname[2] << captionlastname[2] << " / ";

}

if (team1schedule == "Bisons")

{

cout << captionfirstname[3] << captionlastname[3] << " / ";

}

if (team2schedule == "Bisons")

{

cout << captionfirstname[3] << captionlastname[3] << " / ";

}

cout << endl << endl;

cout << "\t Know toss was Conducted." << endl;

int tosswon;

if (toss() == 1)

{

cout << "\t Toss : Head." << endl;

cout << "\t " << team1schedule << " won the toss." << endl;

cout << "\t" << team1schedule << " Please select batting / bowling." << endl;

tosswon = 1;

}

else if (toss() == 2)

{

cout << "\t Toss : tail." << endl;

cout << "\t " << team2schedule << " won the toss." << endl;

cout << "\t" << team2schedule << " Please select batting / bowling." << endl;

tosswon = 2;

}

int choice4;

int team1total = 0;

cout << "\t 1. Batting." << endl;

cout << "\t 2. Bowling." << endl;

cout << "\t Your choice : ";

cin >> choice4;

switch (choice4)

{

case 1:

cout << "\t Match was start." << endl;

if (tosswon == 1)

{

cout << "\t " << team1schedule << endl;

}

else if (tosswon == 2)

{

cout << "\t " << team2schedule << endl;

}

cout << " won The toss / team was choose batting." << endl;

team1match();

cout << endl;

team2match();

cout << endl;

if (winnig() == 1)

{

cout << "\t " << team1schedule << " won the Match." << endl;

}

else if (winnig() == 2)

{

cout << "\t " << team2schedule << " won the Match." << endl;

}

else if (winnig() == 0)

{

cout << "\t Match draw." << endl;

}

break;

case 2:

cout << "\t Match was start." << endl;

if (tosswon == 1)

{

cout << "\t " << team1schedule << endl;

}

else if (tosswon == 2)

{

cout << "\t " << team2schedule << endl;

}

cout << " won The toss / team was choose bolling." << endl;

team1match();

cout << endl;

team2match();

cout << endl;

if (winnig() == 1)

{

cout << "\t " << team1schedule << " won the Match." << endl;

}

else if (winnig() == 2)

{

cout << "\t " << team2schedule << " won the Match." << endl;

}

else if (winnig() == 0)

{

cout << "\t Match draw." << endl;

}

break;

default:

cout << "\t ERROR / Invalid Input..." << endl;

break;

}

cout << "if you want to schedule match again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice;

}

}

}

else

{

choice = 'n';

}

} while (choice != 'n');

}

void Match::updateworldrecords()

{

getteaminformation();

char choice;

do

{

char choice1;

cout << "\t if you want to see update in ICC world record." << endl;

cout << "\t press'y' || press 'n'" << endl;

cout << "\t your choice : ";

cin >> choice1;

if (choice1 == 'y' || choice1 == 'Y')

{

ofstream file;

int j;

file.open("infile2.txt", ios::out);

if (ICCRANKING == 2)

{

for (int k = 0; k < 4; k++)

{

file << teamname[k] << endl << captionfirstname[k] << " " << captionlastname[k] << endl

<< coachfirstname[k] << " " << coachlastname[k] << endl;

for (int i = 0; i < 3; i++)

{

if (team1schedule == "Ravens" || team2schedule == "Ravens")

{

points[i][0] = points[i][0] + 85;

rating[i][0] = rating[i][0] + 8;

}

if (team1schedule == "Redskins" || team2schedule == "Redskins")

{

points[i][1] = points[i][1] + 85;

rating[i][1] = rating[i][1] + 8;

}

if (team1schedule == "Saints" || team2schedule == "Saints")

{

points[i][2] = points[i][2] + 85;

rating[i][2] = rating[i][2] + 8;

}

if (team1schedule == "Bisons" || team2schedule == "Bisons")

{

points[i][3] = points[i][3] + 85;

rating[i][3] = rating[i][3] + 8;

}

file << matchtypes[i] << endl << points[i][k] << " " << rating[i][k] << " "

<< match[i][k] << " " << win[i][k] << " " << lost[i][k] << endl;

}

file << endl;

}

}

if (ICCRANKING == 1)

{

for (j = 0; j < 6; j++)

{

if (Date[j] == date1)

{

for (int k = 0; k < 4; k++)

{

file << teamname[k] << endl << captionfirstname[k] << " " << captionlastname[k] << endl

<< coachfirstname[k] << " " << coachlastname[k] << endl;

for (int i = 0; i < 3; i++)

{

if (Team1[j] == "Ravens" || team2[j] == "Ravens")

{

points[i][0] = points[i][0] + 85;

rating[i][0] = rating[i][0] + 8;

}

if (Team1[j] == "Redskins" || team2[j] == "Redskins")

{

points[i][1] = points[i][1] + 85;

rating[i][1] = rating[i][1] + 8;

}

if (Team1[j] == "Saints" || team2[j] == "Saints")

{

points[i][2] = points[i][2] + 85;

rating[i][2] = rating[i][2] + 8;

}

if (Team1[j] == "Bisons" || team2[j] == "Bisons")

{

points[i][3] = points[i][3] + 85;

rating[i][3] = rating[i][3] + 8;

}

file << matchtypes[i] << endl << points[i][k] << " " << rating[i][k] << " "

<< match[i][k] << " " << win[i][k] << " " << lost[i][k] << endl;

}

file << endl;

}

}

}

}

displayteam();

cout << endl;

cout << "\t If you want check update ICC rankings again." << endl;

cout << "\t press 'y' || press || 'n'" << endl;

cout << "\t Your choice : ";

cin >> choice;

}

else

{

choice = 'n';

}

} while (choice != 'n');

}

void Match::updateplayerrecords()

{

getplayerinformation();

char choice1;

do

{

cout << endl << endl;

cout << "\t\t Check update information of player." << endl;

cout << "\t\t press Y/y to check updates else press N/n." << endl;

char choice;

int adress;

int type;

cout << "\t\t Choice : ";

cin >> choice;

if (choice == 'y' || choice == 'Y')

{

getsize();

getplayerinformation();

printplayerinformation();

ofstream outfile;

outfile.open("infile.txt");

cout << endl;

cout << "\t\t please enter address from 0 to 43: ";

cin >> adress;

cout << "\t\t please enter type from 0 to 3: ";

cin >> type;

if (adress > size || adress < 0)

{

cout << "\t\t invalid option." << endl;

}

else

{

matches[type][adress] = matches[type][adress] + 1;

runs[type][adress] = runs[type][adress] + 49;

battingavg[type][adress] = battingavg[type][adress] + 0.25;

highscore[type][adress] = highscore[type][adress] + 20;

strikerate[type][adress] = strikerate[type][adress] + 0.12;

ballsbowled[type][adress] == ballsbowled[type][adress] + 18;

wickets[type][adress] = wickets[type][adress] + 2;

bollingavg[type][adress] = bollingavg[type][adress] + 0.25;

fivewickets[type][adress] = fivewickets[type][adress] + 0;

econ[type][adress] = econ[type][adress] + 0.09;

catches[type][adress] = catches[type][adress] + 1;

stumps[type][adress] = stumps[type][adress] + 1;

runout[type][adress] = runout[type][adress] + 2;

for (int j = 0; j < size; j++)

{

outfile << playername[j] << " " << lastname[j];

outfile << " " << shirtno[j] << endl;

for (int i = 0; i < 4; i++)

{

outfile << matchtype[i] << endl;

outfile << matches[i][j] << " " << runs[i][j] << " " << battingavg[i][j] << " " << highscore[i][j]

<< " " << strikerate[i][j] << " " << ballsbowled[i][j] << " " << wickets[i][j]

<< " " << bollingavg[i][j] << " " << fivewickets[i][j] << " " << econ[i][j] << " "

<< catches[i][j] << " " << stumps[i][j] << " " << runout[i][j] << endl;

}

outfile << endl;

}

cout << endl;

printplayerinformation();

}

}

if (choice == 'y')

{

cout << endl;

cout << "if you want to check updated record again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice1;

if (choice1 == 'y')

{

system("cls");

}

}

else

{

cout << endl;

choice1 = 'n';

}

} while (choice1 != 'n');

}

void Match::upcomingmatches()

{

char choice7;

do

{

cout << "\t\t if you want to check Upcoming matches information of the teams." << endl;

cout << "\t\t press Y/y to check else press N/n." << endl;

char choice6;

cout << "\t\t Choice : ";

cin >> choice6;

string date[100], time[100], timetype[100], teamname1[100], teamname2[100];

string matchT[100];

int team1score[100];

double team1over[100], team2over[100];

int team1wickets[100], team2wickets[100];

string scoretype1[100];

int team2score[100];

string scoretype2[100];

string result[100];

string menofmatchfirstname[100], menofmatchlastname[100];

if (choice6 == 'y' || choice6 == 'Y')

{

ifstream infile;

cout << endl;

cout << "Information." << endl;

cout << "1.press 1 for Test match." << endl;

cout << "2.press 2 for ODI match." << endl;

cout << "3.press 3 for T20I match." << endl;

int choice3;

cout << "\t\t Choice : ";

cin >> choice3;

switch (choice3)

{

case 1:

infile.open("Testmatchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> date[j] >> time[j] >> timetype[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> result[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << result[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

case 2:

infile.open("odimatchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> date[j] >> time[j] >> timetype[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> result[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << result[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

case 3:

infile.open("T20matchesupcoming.txt", ios::out);

for (int j = 0; j < 6; j++)

{

infile >> date[j] >> time[j] >> timetype[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> result[j];

}

for (int j = 0; j < 6; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << time[j] << " " << timetype[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl << endl;

cout << "\t\t\t " << "Stadium : " << result[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

default:

cout << "Error / invalid input." << endl;

break;

}

cout << endl;

cout << "if you want to check matches information again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice7;

if (choice7 == 'y')

{

system("cls");

}

}

else if (choice6 == 'n')

{

choice7 = 'n';

}

} while (choice7 != 'n');

}

void Match::recentmatches()

{

char choice7;

do

{

cout << "\t\t if you want to check recent matches information of the teams." << endl;

cout << "\t\t press Y/y to check else press N/n." << endl;

char choice6;

cout << "\t\t Choice : ";

cin >> choice6;

string date[100], time[100], timetype[100], teamname1[100], teamname2[100];

string matchT[100];

int team1score[100];

double team1over[100], team2over[100];

int team1wickets[100], team2wickets[100];

string scoretype1[100];

int team2score[100];

string scoretype2[100];

string result[100];

string menofmatchfirstname[100], menofmatchlastname[100];

if (choice6 == 'y' || choice6 == 'Y')

{

ifstream infile;

cout << endl;

cout << "Information." << endl;

cout << "1.press 1 for Test match." << endl;

cout << "2.press 2 for ODI match." << endl;

cout << "3.press 3 for T20I match." << endl;

int choice3;

cout << "\t\t Choice : ";

cin >> choice3;

switch (choice3)

{

case 1:

infile.open("Testmatchesprevious.txt", ios::out);

for (int j = 0; j < 9; j++)

{

infile >> date[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> team1score[j] >> scoretype1[j]

>> team2score[j] >> scoretype2[j] >> result[j] >> menofmatchfirstname[j]

>> menofmatchlastname[j];

}

for (int j = 0; j < 9; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl;

cout << "\t\t " << team1score[j] << "\t\t" << scoretype1[j] << "\t " << team2score[j] << endl << endl;

cout << "\t\t\t " << result[j] << endl;

cout << "\t\t\t Men of the match : " << menofmatchfirstname[j] << " " << menofmatchlastname[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

case 2:

infile.open("odimatchesprevious.txt", ios::out);

for (int j = 0; j < 11; j++)

{

infile >> date[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> team1score[j] >> team1over[j]

>> team1wickets[j] >> team2score[j] >> team2over[j] >> team2wickets[j] >> result[j] >> menofmatchfirstname[j]

>> menofmatchlastname[j];

}

for (int j = 0; j < 11; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl;

cout << "\t\t " << team1score[j] << "\t\t\t " << team2score[j] << endl << endl;

cout << "\t\t " << team1over[j] << "\t\t\t " << team2over[j] << endl << endl;

cout << "\t\t " << team1wickets[j] << "\t\t\t " << team2wickets[j] << endl << endl;

cout << "\t\t\t " << result[j] << endl;

cout << "\t\t\t Men of the match : " << menofmatchfirstname[j] << " " << menofmatchlastname[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

case 3:

infile.open("T20matchespervious.txt", ios::out);

for (int j = 0; j < 7; j++)

{

infile >> date[j] >> teamname1[j] >> teamname2[j] >> matchT[j] >> team1score[j] >> team1over[j]

>> team1wickets[j] >> team2score[j] >> team2over[j] >> team2wickets[j] >> result[j] >> menofmatchfirstname[j]

>> menofmatchlastname[j];

}

for (int j = 0; j < 7; j++)

{

cout << endl;

cout << "\t\t" << date[j] << endl;

cout << "\t\t" << matchT[j] << endl << endl;

cout << "\t\t" << teamname1[j] << "\t\t\t" << teamname2[j] << endl;

cout << "\t\t " << team1score[j] << "\t\t\t " << team2score[j] << endl << endl;

cout << "\t\t " << team1over[j] << "\t\t\t " << team2over[j] << endl << endl;

cout << "\t\t " << team1wickets[j] << "\t\t\t " << team2wickets[j] << endl << endl;

cout << "\t\t\t " << result[j] << endl;

cout << "\t\t\t Men of the match : " << menofmatchfirstname[j] << " " << menofmatchlastname[j] << endl;

cout << endl;

cout << "\t\t ---------------------------------------- \t\t" << endl;

}

cout << endl;

break;

default:

cout << "\t ERROR / Invalid input." << endl;

break;

}

cout << endl;

cout << "if you want to check matches information again." << endl;

cout << "1. press 'y' / yes." << endl;

cout << "2. press 'n' / no." << endl;

cout << " Your choice : ";

cin >> choice7;

if (choice7 == 'y')

{

system("cls");

}

}

else if (choice6 == 'n')

{

choice7 = 'n';

}

} while (choice7 != 'n');

}

void News::upcomingmatches1()

{

Match::upcomingmatches();

}

void News::recentmatches1()

{

Match::recentmatches();

}

void News::ICCrankingofteam()

{

Team::getteaminformation();

Team::displayteam();

}

void News::ICCrankingofplayer()

{

Player::getsize();

Player::getplayerinformation();

Player::printplayerinformation();

}

**Main.cpp:**

#include <SFML/Graphics.hpp>

#include<iostream>

#include<iomanip>

#include<fstream>

#include "cricbuzz.h"

using namespace std;

using namespace sf;

int main()

{

Player p;

Team T;

Match M;

News N;

char choice9;

do

{

int choice1;

cout << "1. player" << endl;

cout << "2. team" << endl;

cout << "3. Match" << endl;

cout << "4. News" << endl;

cout << " your choice : ";

cin >> choice1;

switch (choice1)

{

case 1:

cout << endl;

int choice2;

cout << "\t\t 1. Players information." << endl;

cout << "\t\t 2. Update Players information." << endl;

cout << "\t\t 3. Search Players information." << endl;

cout << "\t\t 4. Add Player information." << endl;

cout << "\t\t 5. Remove Players information." << endl;

cout << "\t\t Your choice : ";

cin >> choice2;

p.getsize();

p.getplayerinformation();

cout << endl;

switch (choice2)

{

case 1:

p.printplayerinformation();

break;

case 2:

p.updateplayer();

break;

case 3:

p.searchplayer();

break;

case 4:

p.addplayer();

break;

case 5:

p.removeplayer();

break;

default:

cout << "\t\t ERROR / Invalid input..." << endl;

break;

}

cout << endl;

break;

case 2:

char choice10;

do

{

string firstname, lastname, password;

cout << "Enter First Name : ";

cin >> firstname;

cout << "Enter Last Name : ";

cin >> lastname;

cout << "Enter Password : ";

cin >> password;

if (T.checkstatus(firstname, lastname, password) == 1)

{

int choice3;

cout << "\t\t 1. Display team information." << endl;

cout << "\t\t 2. Add player information." << endl;

cout << "\t\t 3. Remove player information." << endl;

cout << "\t\t 4. Update player information." << endl;

cout << "\t\t 5. Search player information." << endl;

cout << "\t\t 6. Update team caption." << endl;

cout << "\t\t 7. Update team coach." << endl;

cout << "\t\t 8. Display Matches." << endl;

cout << "\t\t Your choice : ";

cin >> choice3;

cout << endl;

T.getteaminformation();

switch (choice3)

{

case 1:

T.displayteam();

break;

case 2:

T.addplayers();

break;

case 3:

T.removeplayers();

break;

case 4:

T.updateplayers();

break;

case 5:

T.searchplayers();

break;

case 6:

T.updatecaption();

break;

case 7:

T.updatecoach();

break;

case 8:

T.displaymatches();

break;

default:

cout << "\t\t ERROR / Invalid input..." << endl;

break;

}

cout << endl;

choice10 = 'n';

}

else

{

cout << endl;

cout << "If you want to try again." << endl;

cout << "Press 'y' / press 'n'." << endl;

cout << " Your choice : ";

cin >> choice10;

if (choice10 == 'y')

{

system("cls");

}

}

} while (choice10 != 'n');

break;

case 3:

int choice4;

cout << "\t\t 1. Conduct match." << endl;

cout << "\t\t 2. Schedule match." << endl;

cout << "\t\t 3. Update World records." << endl;

cout << "\t\t 4. Update Players records." << endl;

cout << "\t\t 5. Upcoming matches." << endl;

cout << "\t\t 6. Recent matches." << endl;

cout << "\t\t Your choice : ";

cin >> choice4;

cout << endl;

switch (choice4)

{

case 1:

M.conductmatch();

break;

case 2:

M.schedulematch();

break;

case 3:

M.updateworldrecords();

break;

case 4:

M.updateplayerrecords();

break;

case 5:

M.upcomingmatches();

break;

case 6:

M.recentmatches();

break;

default:

cout << "\t\t ERROR / Invalid input..." << endl;

break;

}

cout << endl;

break;

case 4:

int choice5;

cout << "\t\t 1. Upcoming matches information." << endl;

cout << "\t\t 2. Recent matches information." << endl;

cout << "\t\t 3. ICC Ranking of teams." << endl;

cout << "\t\t 4. ICC Ranking of players." << endl;

cout << "\t\t Your choice : ";

cin >> choice5;

cout << endl;

switch (choice5)

{

case 1:

N.upcomingmatches1();

break;

case 2:

N.recentmatches1();

break;

case 3:

N.ICCrankingofteam();

break;

case 4:

N.ICCrankingofplayer();

break;

default:

cout << "\t\t ERROR / Invalid input..." << endl;

break;

}

cout << endl;

break;

default:

cout << "\t ERROR / invalid input." << endl;

break;

}

cout << endl;

cout << "\t\t CricBuzz Again." << endl;

cout << "\t\t press'y' || press 'n'." << endl;

cout << "\t\t Your choice : ";

cin >> choice9;

if (choice9 == 'y')

{

system("cls");

}

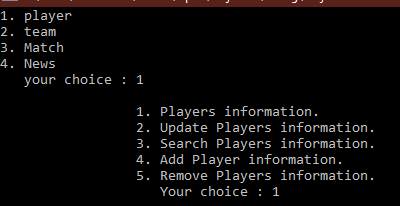
}while (choice9 != 'n');

return 0;

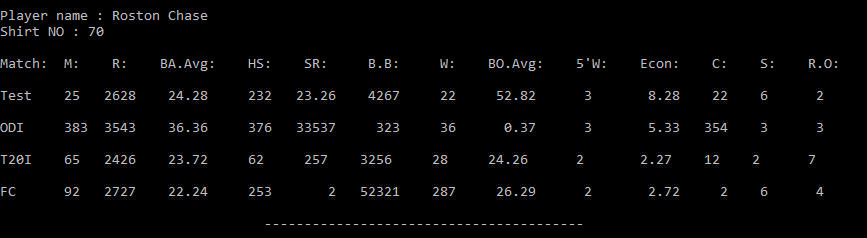
}

**Output:**

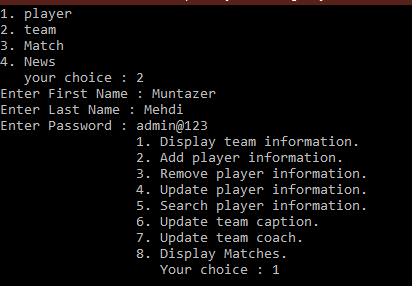
**(1):**



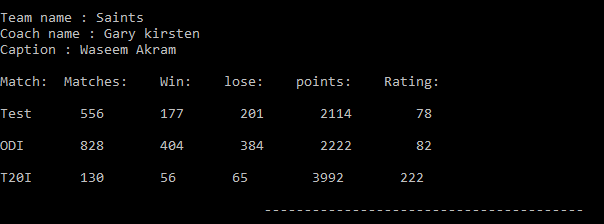
**(2):**



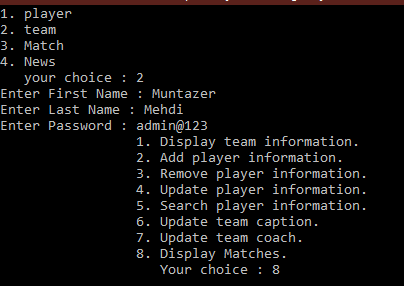
**(3):**



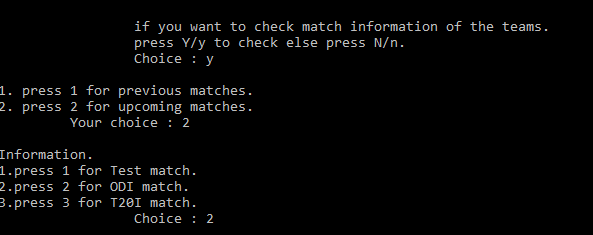
**(4):**



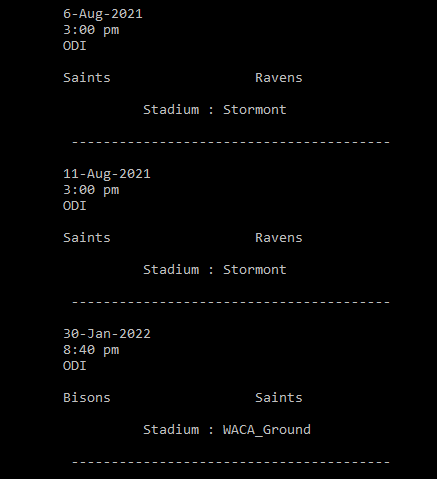
**(5):**



**(6):**



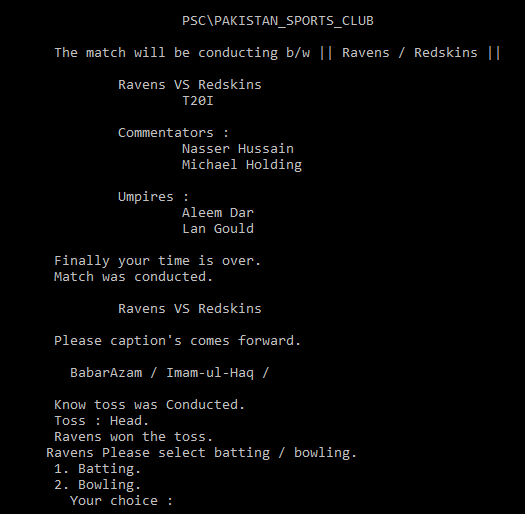
**(7):**



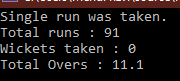
**(8):**



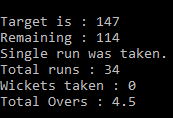
**(9):**



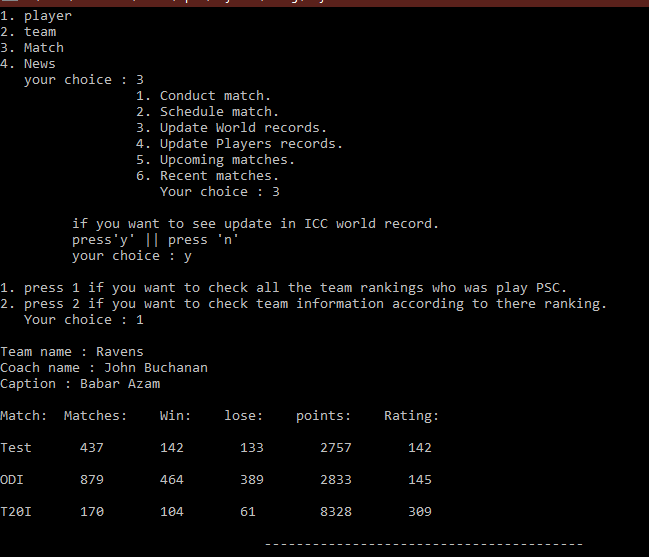
**(10):**



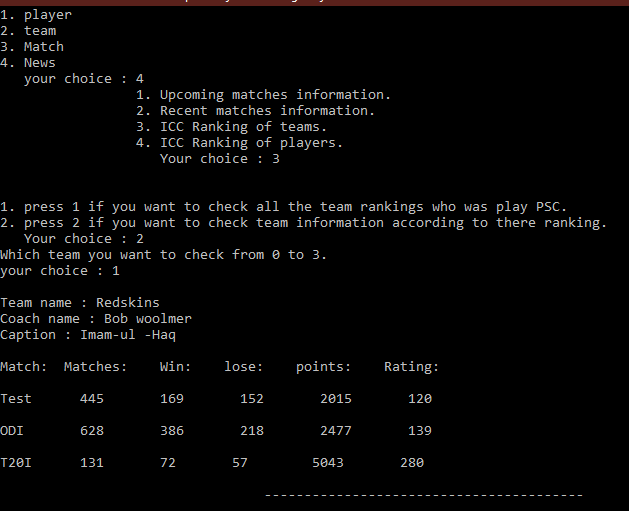
**(11):**



**(12):**



**(13):**



**(14):**

**A screen shot of a cell phone

Description automatically generated with low confidence**