```cpp
#include<iostream>
#include<string>
#include<iomanip>
#include<algorithm>

// OWN LIBRARIES
#include "Print.h"
#include "upper_char.h"
#include "GetLength.h"
#include "TeamTable.h"

using namespace std;


int main() {

    // VARIABLES RELATED TO MENU
    string MENU_OPTION;

    // ARRAY DECLARATION
    const size_t SIZE = 12;
    string TEAM[SIZE];
    int FOR_GOAL[SIZE], AGAINST_GOAL[SIZE], WIN[SIZE], LOST[SIZE], DRAW
      [SIZE], POINT[SIZE], MATCH_PLAYED[SIZE];

    // VARIABLE RELATED TO TEAM AND GOAL
    string HOME_TEAM, VISITING_TEAM;
    int HOME_GOAL, VISITING_GOAL;

    //VARIABLES RELATED TO INDEXS
    size_t LENGTH_TEAM, HOME_TEAM_INDEX, VISITING_TEAM_INDEX;
    size_t TEAM_INDEX = 0;

    // ARRAY INITIALIZATION
    array_initialize(FOR_GOAL, SIZE);
    array_initialize(AGAINST_GOAL, SIZE);
    array_initialize(WIN, SIZE);
    array_initialize(LOST, SIZE);
    array_initialize(DRAW, SIZE);
    array_initialize(POINT, SIZE);
    array_initialize(MATCH_PLAYED, SIZE);

    do {

        print_menu_option(); // TO PRINT OUT THE AVAILABLE OPTIONS IN MENU
        cout << "YOUR INPUT:" << setw(5); // ASK USER TO SELECT THE INPUT
        getline(cin, MENU_OPTION); //SAVE IN THE MENU_OPTION VARIABLE
        cout << endl << endl;

        MENU_OPTION = string_to_upper(MENU_OPTION); // Change to upper
          character

        // MENU DRIVEN PROGRAM
```

```
52          if (MENU_OPTION == "ADD") {
53              print_add_banner();
54
55              // TAKE INPUT FOR TEAM NAME
56              cout << " Please Enter the Home Team: ";
57              getline(cin, HOME_TEAM);
58
59              while (get_length(HOME_TEAM) == 0) {
60                  cout << " Invalid input! Please Enter the Home Team: ";
61                  getline(cin, HOME_TEAM);
62              }
63              cout << " Please Enter the Visiting Team: ";
64              getline(cin, VISITING_TEAM);
65
66              while (get_length(VISITING_TEAM) == 0) {
67                  cout << " Invalid input! Please Enter the Visiting Team: ";
68                  getline(cin, VISITING_TEAM);
69              }
70
71              // TAKE INPUT FOR TEAM GOAL
72              cout << "How Many goals for home team: ";
73              cin >> HOME_GOAL;
74              cout << "How Many goals for visiting team: ";
75              cin >> VISITING_GOAL;
76
77              cin.ignore();
78
79              // Converting to upper character of Team Name
80              HOME_TEAM = string_to_upper(HOME_TEAM);
81              VISITING_TEAM = string_to_upper(VISITING_TEAM);
82
83              LENGTH_TEAM = get_length(TEAM);
84
85              if (LENGTH_TEAM == 0) {
86
87                  HOME_TEAM_INDEX = TEAM_INDEX;
88                  VISITING_TEAM_INDEX = ++TEAM_INDEX;
89
90                  //ADD TEAMS NAME IN THE TEAM TABLE
91                  add_team_in_table(TEAM, HOME_TEAM, HOME_TEAM_INDEX);
92                  add_team_in_table(TEAM, VISITING_TEAM, VISITING_TEAM_INDEX);
93              }
94
95              // Otherwise It will check whether team is alsready existed in
                  the Table or not. If not then it will add to the table
96              else
97              {
98
99                  HOME_TEAM_INDEX = check_team_in_table(TEAM, HOME_TEAM,
                      get_length(TEAM)); //To check whether the Home team is
                      already existed in the table or not
100                 VISITING_TEAM_INDEX = check_team_in_table(TEAM,
                      VISITING_TEAM, get_length(TEAM));//To check whether the
```

```
                    Visiting team is already existed in the table or not
101
102                 // CURRENT INDEX(HOME_TEAM_INDEX OR VISITING_TEAM_INDEX)
                      BECOMES ZERO AS THE FUNCTION check_team_in_table
103                 // RETURNS 0 WHEN IT DID NOT FIND ANY MATCH TEAM. 0 VALUE
                      ALSO CAN BE FOUND WHEN
104                 // CONTENT OF THE 0 INDEX IS MATCHED AS WELL.
105
106                 if (HOME_TEAM_INDEX == 0 && TEAM[0] != HOME_TEAM) {
107                     cout << setw(80) << "NO HOME TEAM MATCH" << endl;
108                     HOME_TEAM_INDEX = ++TEAM_INDEX;
109                     add_team_in_table(TEAM, HOME_TEAM, HOME_TEAM_INDEX);
110                 }
111
112                 if (VISITING_TEAM_INDEX == 0 && TEAM[0] != VISITING_TEAM) {
113                     cout << setw(80) << "NO VISITING TEAM MATCH" << endl <<
                    endl;
114                     VISITING_TEAM_INDEX = ++TEAM_INDEX;
115                     add_team_in_table(TEAM, VISITING_TEAM,
                    VISITING_TEAM_INDEX);
116
117                 }
118             }
119
120             FOR_GOAL[HOME_TEAM_INDEX] = FOR_GOAL[HOME_TEAM_INDEX] +
                  HOME_GOAL;
121             AGAINST_GOAL[HOME_TEAM_INDEX] = AGAINST_GOAL[HOME_TEAM_INDEX] +
                  VISITING_GOAL;
122             MATCH_PLAYED[HOME_TEAM_INDEX] = MATCH_PLAYED[HOME_TEAM_INDEX] +
                  1;
123
124             FOR_GOAL[VISITING_TEAM_INDEX] = FOR_GOAL[VISITING_TEAM_INDEX] +
                  VISITING_GOAL;
125             AGAINST_GOAL[VISITING_TEAM_INDEX] = AGAINST_GOAL
                  [VISITING_TEAM_INDEX] + HOME_GOAL;
126             MATCH_PLAYED[VISITING_TEAM_INDEX] = MATCH_PLAYED
                  [VISITING_TEAM_INDEX] + 1;
127
128             // CHECK WINNER
129
130             // When Home Team is winner
131             if (HOME_GOAL > VISITING_GOAL) {
132                 set_for_win(WIN, LOST, DRAW, POINT, HOME_TEAM_INDEX,
                      VISITING_TEAM_INDEX);
133             }
134             // When Visiting Team is the winner then goal will be saved in
                  For_Goal of visiting team and against goal will save the home
                  goal
135             else if (HOME_GOAL < VISITING_GOAL) {
136                 set_for_lost(WIN, LOST, DRAW, POINT, HOME_TEAM_INDEX,
                      VISITING_TEAM_INDEX);
137             }
138             // WHEN MATCH IS DRAW
```

```
139             else if (HOME_GOAL == VISITING_GOAL) {
140                 set_for_draw(WIN, LOST, DRAW, POINT, HOME_TEAM_INDEX,
                      VISITING_TEAM_INDEX);
141             }
142
143             cout << "PLEASE PRESS ENTER TO RETURN TO MAIN MENU";
144             cin.get();
145         }
146         else if (MENU_OPTION == "PRINT") {
147
148             size_t large_print_space = 20;
149             size_t medium_print_space = 13;
150             size_t small_print_space = 11;
151
152             int MAXIMUM_POINT = 0;
153             int POINT_COPY[SIZE], POINT_SORTED[SIZE];
154
155             size_t INDEX_SORTED[SIZE];
156
157             array_initialize(POINT_COPY, SIZE);
158             array_initialize(POINT_SORTED, SIZE);
159             array_initialize(INDEX_SORTED, SIZE);
160
161             //COPY THE POINT VALUE IN THE POINT_COPY SO THAT MAX FUNCTION
                  COMPARES VALUE>0
162             for (size_t counter0 = 0; counter0 < get_length(TEAM); counter0+
                  +) {
163                 int TEMPORARY = 1;
164                 POINT_COPY[counter0] = POINT[counter0] + TEMPORARY;
165             }
166
167
168             for (size_t counter1 = 0; counter1 < get_length(TEAM); counter1+
                  +) {
169                 INDEX_SORTED[counter1] = find_maxvalue(POINT_COPY,
                      get_length(TEAM), MAXIMUM_POINT);
170                 POINT_SORTED[counter1] = POINT[INDEX_SORTED[counter1]];
171                 POINT_COPY[INDEX_SORTED[counter1]] = 0;
172             }
173
174             cout << endl << endl;
175             print_table_coloumn_for_number(medium_print_space);
176             print_table_banner();
177
178             for (size_t TEAM_PRINT_INDEX = 0; TEAM_PRINT_INDEX < get_length
                  (TEAM); TEAM_PRINT_INDEX++) {
179                 print_table_coloumn_for_number(medium_print_space);
180                 cout << TEAM[INDEX_SORTED[TEAM_PRINT_INDEX]];
181                 print_table_coloumn_for_name(get_length(TEAM[INDEX_SORTED
                      [TEAM_PRINT_INDEX]]));
182                 cout << setw(5) << MATCH_PLAYED[INDEX_SORTED
                      [TEAM_PRINT_INDEX]];
183                 print_table_coloumn_for_number(medium_print_space);
```

```
184                 cout << setw(5) << FOR_GOAL[INDEX_SORTED[TEAM_PRINT_INDEX]]
                      << "-" << AGAINST_GOAL[INDEX_SORTED[TEAM_PRINT_INDEX]];
185                 print_table_coloumn_for_number(medium_print_space);
186                 cout << setw(3) << WIN[INDEX_SORTED[TEAM_PRINT_INDEX]];
187                 print_table_coloumn_for_number(small_print_space);
188                 cout << LOST[INDEX_SORTED[TEAM_PRINT_INDEX]];
189                 print_table_coloumn_for_number(small_print_space);
190                 cout << DRAW[INDEX_SORTED[TEAM_PRINT_INDEX]];
191                 print_table_coloumn_for_number(small_print_space);
192                 cout << setw(2) << POINT[INDEX_SORTED[TEAM_PRINT_INDEX]] <<
                      endl;
193             }
194
195             cout << endl << endl;
196             cout << "PLEASE PRESS ENTER TO RETURN TO MAIN MENU";
197             cin.get();
198
199         }
200         else if (MENU_OPTION == "CLEAR") {
201
202             cout << setw(80) << "TO CLEAN PLEASE ENTER NOW" << endl;
203             cin.get();
204             system("CLS");
205             cout << setw(80) << "PLEASE ENTER AGAIN TO RETURN TO THE MAIN
                  MENU" << endl;
206             cin.get();
207             system("CLS");
208         }
209         else if (MENU_OPTION != "EXIT") {
210             cout << "INVALID INPUT, PLEASE TRY AGAIN THANKS" << endl;
211             cin.clear();
212         }
213     } while (MENU_OPTION != "EXIT");
214
215     cout << endl << endl;
216     system("pause;");
217     return 0;
218 }
```

```cpp
#include<iostream>
#include<string>


using namespace std;

//*****************************************************************
// FUNCTION DEFINATION FOR string_to_upper                        *
// THE FUNCTION TAKES A STRING AS AN ARGUMENT AND CONVERTS        *
// EACH CHARACHTER OF THE STRING INTO UPPER CHARACTER.            *
// THE FUNCTION RETURNS THE CONVERTED STRING.                     *
//*****************************************************************

string string_to_upper(string TEXT) {
    for (size_t index = 0; index < TEXT.length(); index++) {
        TEXT[index] = toupper(TEXT[index]); // CALLS THE toupper FUNCTION
          WITH CHAR INPUT AND RETURNED VALUE IS SAVED IN TEXT[index].
    }
    return TEXT;
}

```

```
#include<iostream>
#include<string>
#include<iomanip>

using namespace std;

//*****************************************************************
// FUNCTION DEFINATION FOR OVERLOAD FUNCTION array_initialize       *
// THIS FUNCTION TAKES INTEGER ARRAY AND THE SIZE OF THE ARRAY AS   *
// PARAMETER AND INITIALIZE WITH 0 VALUE UNTIL THE SIZE.            *
//*****************************************************************
void array_initialize(int ARRAY[], size_t LENGTH) {
    for (size_t ARRAYINDEX = 0; ARRAYINDEX < LENGTH; ARRAYINDEX++) {
        ARRAY[ARRAYINDEX] = 0;
    }
}

//*****************************************************************
// FUNCTION DEFINATION FOR OVERLOAD FUNCTION array_initialize           *
// THIS FUNCTION TAKES size_t(unsigned int) ARRAY AND THE SIZE OF       *
// THE ARRAY AS FUNCTION PARAMETER AND INITIALIZE WITH 0 VALUE UNTIL    *
// THE SIZE.                                                            *
//*****************************************************************
void array_initialize(size_t ARRAY[], size_t LENGTH) {
    for (size_t ARRAYINDEX = 0; ARRAYINDEX < LENGTH; ARRAYINDEX++) {
        ARRAY[ARRAYINDEX] = 0;
    }
}

//*****************************************************************
// FUNCTION DEFINATION FOR add_team_in_table                        *
// THIS FUNCTION TAKES STRING ARRAY, STRING AND THE INDEX OF THE ARRAY  *
// WHERE THE TEAM NAME WILL BE SAVED.                               *
//*****************************************************************
void add_team_in_table(string TEAM_TABLE[], string TEAM_NAME, size_t INDEX)
  {
    TEAM_TABLE[INDEX] = TEAM_NAME;
    cout << setw(80) << "THANKS! NEW TEAM IS ADDED TO THE TABLE" << endl <<
      endl;
}

//
  ***************************************************************************
  *
// FUNCTION DEFINATION FOR check_team_in_table
  *
// THIS FUNCTION TAKES STRING ARRAY, STRING AND LENGTH OF THE ARRAY AS
  *
// INPUT ARGUMENT TO CHECK WHETHER THE TEAM IS ALREADY IN THE TABLE OR
  *
// NOT. IF THE TEAM NAME MATCHES WITH THE EXISTING TEAM IN THE TABLE, IT
  *
// RETURNS THE INDEX OF MATCED TEAM. IF TEAM DOES NOT EXIST IN THE TABLE IT
```

```
    *
46  // RETURNS 0.                                                          ↵
    *
47  //                                                                     ↵
    ************************************************************************ ↵
    *
48  size_t check_team_in_table(string TEAM_TABLE[], string TEAM_NAME, size_t   ↵
    LENGTH) {
49
50      size_t index_to_return = 0;
51      for (size_t counter0 = 0; counter0 < LENGTH; counter0++) {
52
53          if (TEAM_NAME == TEAM_TABLE[counter0]) {
54              cout << setw(80) << "ENTERED TEAM IS ALREADY IN THE TABLE" <<  ↵
                  endl << endl;
55              index_to_return = counter0;
56          }
57      }
58      //cout << index_to_return << endl;
59      return index_to_return;
60  }
61
62  //                                                                     ↵
    ************************************************************************ ↵
    *
63  // FUNCTION DEFINATION FOR set_for_win                                 ↵
    *
64  // THIS FUNCTION TAKES MULTIPLE INT ARRAY AND THE LENGTH OF THIS ARRAY AS  ↵
    *
65  // INPUT ARGUMENT TO SET THE FOLOWWING TABLE WHEN THE TEAM HAS OWN A MATCH.  ↵
    *                                                                  *
66  //                                                                     ↵
    ************************************************************************ ↵
    *
67  void set_for_win(int WIN[], int LOST[], int DRAW[], int POINT[], size_t   ↵
    INDEX1, size_t INDEX2) {
68
69      WIN[INDEX1] = WIN[INDEX1] + 1;
70      LOST[INDEX1] = LOST[INDEX1] + 0;
71      DRAW[INDEX1] = DRAW[INDEX1] + 0;
72      POINT[INDEX1] = POINT[INDEX1] + 3;
73
74      WIN[INDEX2] = WIN[INDEX2] + 0;
75      LOST[INDEX2] = LOST[INDEX2] + 1;
76      DRAW[INDEX2] = DRAW[INDEX2] + 0;
77      POINT[INDEX2] = POINT[INDEX2] + 0;
78  }
79
80  //                                                                     ↵
    ************************************************************************ ↵
    *
81  // FUNCTION DEFINATION FOR set_for_lost                                ↵
    *
```

```
82  // THIS FUNCTION TAKES MULTIPLE INT ARRAY AND THE LENGTH OF THIS ARRAY AS
      *
83  // INPUT ARGUMENT TO SET THE FOLOWWING TABLE WHEN THE TEAM HAS LOST A
      MATCH.*                                                          *
84  //
      ************************************************************************
      *
85  void set_for_lost(int WIN[], int LOST[], int DRAW[], int POINT[], size_t
      INDEX1, size_t INDEX2) {
86
87      WIN[INDEX1] = WIN[INDEX1] + 0;
88      LOST[INDEX1] = LOST[INDEX1] + 1;
89      DRAW[INDEX1] = DRAW[INDEX1] + 0;
90      POINT[INDEX1] = POINT[INDEX1] + 0;
91
92      WIN[INDEX2] = WIN[INDEX2] + 1;
93      LOST[INDEX2] = LOST[INDEX2] + 0;
94      DRAW[INDEX2] = DRAW[INDEX2] + 0;
95      POINT[INDEX2] = POINT[INDEX2] + 3;
96  }
97
98  //
      ************************************************************************
      *****
99  // FUNCTION DEFINATION FOR set_for_draw
          *
100 // THIS FUNCTION TAKES MULTIPLE INT ARRAY AND THE LENGTH OF THIS ARRAY AS
          *
101 // INPUT ARGUMENT TO SET THE FOLLOWING TABLE WHEN THE TEAMs HAS DRAWN A
      MATCH.  *                                                        *
102 //
      ************************************************************************
      *****
103 void set_for_draw(int WIN[], int LOST[], int DRAW[], int POINT[], size_t
      INDEX1, size_t INDEX2) {
104
105     WIN[INDEX1] = WIN[INDEX1] + 0;
106     LOST[INDEX1] = LOST[INDEX1] + 0;
107     DRAW[INDEX1] = DRAW[INDEX1] + 1;
108     POINT[INDEX1] = POINT[INDEX1] + 1;
109
110     WIN[INDEX2] = WIN[INDEX2] + 0;
111     LOST[INDEX2] = LOST[INDEX2] + 0;
112     DRAW[INDEX2] = DRAW[INDEX2] + 1;
113     POINT[INDEX2] = POINT[INDEX2] + 1;
114 }
115
116 //
      ************************************************************************
      *****
117 // FUNCTION DEFINATION FOR find_maxvalue
          *
118 // THIS FUNCTION TAKES INT ARRAY, LENGTH OF THE ARRAY AND MAXIMUM POINT AS
```

```
         *
// THE INPUT ARGUMENT AND RETURNS THE INDEX OF THE MAXIMUM VALUE OF THE ARRAY.  *                                                    *
//                                                                                ********************************************************************************
size_t find_maxvalue(int POINTCOPY[], size_t LENGTH, int MAXIMUM_POINT) {

    size_t index0 = 0;
    for (size_t counter1 = 0; counter1 < LENGTH; counter1++) {
        if (POINTCOPY[counter1] > MAXIMUM_POINT) {
            MAXIMUM_POINT = POINTCOPY[counter1];
            index0 = counter1;
        }
    }
    return index0;
}
```

```
1  #include <iostream>
2  #include<string>
3
4  using namespace std;
5
6  //*****************************************************************
7  // FUNCTION DEFINATION FOR OVERLOAD FUNCTION get_length             *
8  // THIS FUNCTION USES AN STRING PARAMETER AND                       *
9  // RETURNS THE LENGTH AS SIZE_T                                    *
10 //*****************************************************************
11
12 size_t get_length(string STRING) {
13
14     size_t LENGTH = STRING.length();
15     return LENGTH;
16 }
17
18
19 //*****************************************************************
20 // FUNCTION DEFINATION FOR OVERLOAD FUNCTION get_length             *
21 // THIS FUNCTION USES AN STRING ARRAY AS PARAMETER AND              *
22 // RETURNS THE LENGTH AS SIZE_T                                    *
23 //*****************************************************************
24
25 size_t get_length(string STRINGARRAY[]) {
26     size_t LENGTH_ARRAY = 0;
27     while (!STRINGARRAY[LENGTH_ARRAY].empty()) {
28         ++LENGTH_ARRAY;
29     }
30     return LENGTH_ARRAY;
31 }
32
33
```

```
1  #include<iostream>
2  #include<iomanip>
3
4
5  using namespace std;
6
7
8  //*************************************************************************
   **
9  // FUNCTION DEFINATION FOR print_menu_option                                *
10 // THE FUNCTION PRINTS THE FOLLOWING AVAILABLE OPTIONS IN THE MENU          *
11 // ADD: TO ADD MATCH INFORMATION SUCH AS ADD TEAM RECORDS, UPDATE POINT TABLE *
12 // PRINT: TO PRINT OUT THE CURRENT TEAM STANDING                           *
13 // CLEAR: TO CLEAR THE SCREEN                                              *
14 // EXIT: TO EXIT FROM THE PROGRAM                                          *
15 //*************************************************************************
   **
16 void print_menu_option() {
17
18     // Get the Menu option from the user
19     cout << setw(85) << "PLEASE ENTER YOUR CHOICE FROM THE BELOW OPTIONS \n"
         << endl;
20     cout << endl;
21     cout << setw(100) <<
       "_____
       ____\n";
22     cout << setw(94) << "|OPTIONS    |                    DESCRIPTIONS
                        |\n";
23     cout << setw(101) << "|**************|
       ***************************************************| \n";
24     cout << setw(70) << "|ADD        |   TO ADD SCORE OF THE NEW MATCH.
              |\n";
25     cout << setw(87) << "|PRINT      |   TO PRINT THE STANDING TABLE OF THE
       CHAMPIONSHIP.  |\n";
26     cout << setw(63) << "|CLEAR      |   TO CLEAR THE SCREEN.
          |\n";
27     cout << setw(66) << "|EXIT       |   TO EXIT FROM THE PROGRAM.
          |\n";
28     cout << setw(99) << "|_______________|
       _____________________________________________________|";
29
30     cout << endl << endl;
31
32 }
33
```

```
34 //**********************************************************************
35 // FUNCTION DEFINATION FOR print_add_banner                             *
36 // THE FUNCTION PRINTS THE FOLLOWING MESSAGE IN THE PRINTING MENU       *
37 //**********************************************************************
38 void print_add_banner() {
39     cout << setw(81) << "!!!WELCOME TO THE CHAMPIONSHIP!!!" << endl;
40     cout << setw(80) << "PLEASE ENTER THE FOLLOWING INFROMATION" << endl;
41 }
42
43 //**********************************************************************
44 // FUNCTION DEFINATION FOR print_table_coloumn_for_name                 *
45 // THE FUNCTION PRINTS WHITESPACE ACCORDING TO THE size_t SPACE VARIABLE SPECIFIED *
46 //  AS FUNCTION INPUT TARGUMENT TO PROVIDE APROPRIATE SPACE DEPENDING ON THE NAME OF THE TEAM *
47 //**********************************************************************
48 void print_table_coloumn_for_name(size_t SPACE) {
49
50     size_t possible_highest_team_name = 20;
51     for (size_t counter = 0; counter < possible_highest_team_name  - SPACE;
         counter++) {
52         cout << " ";
53     }
54 }
55
56 //**********************************************************************
57 // FUNCTION DEFINATION FOR print_table_coloumn_for_number               *
58 // THE FUNCTION PRINTS SPACE IN THE TEAM STANDING TABLE IN THE PRINT MENU. *
59 // THIS FUNCTION PRINTS WHITESPACE ACCORDING TO THE NUMBER SPECIFIEDBY size_t SPACE VARIABLE *
60 //**********************************************************************
61 void print_table_coloumn_for_number(size_t SPACE) {
62     for (size_t counter = 0; counter < SPACE; counter++) {
63         cout << " ";
64     }
65 }
```

```
66
67  //*************************************************************************************
68  // FUNCTION DEFINATION FOR print_table_coloumn_for_name                *
69  // THE FUNCTION PRINTS THE FOLLOWING BANNER FOR THE TEAM STANDING IN THE PRINT MENU     *
70  //*************************************************************************************
71  void print_table_banner() {
72
73      size_t print_name = 8;
74      size_t print_number = 12;
75      cout << "TEAM";
76      print_table_coloumn_for_name(print_name);
77      cout << "Match Played";
78      print_table_coloumn_for_name(print_number);
79      cout << "FOR-AGAINST";
80      print_table_coloumn_for_name(print_number);
81      cout << "WIN";
82      print_table_coloumn_for_name(print_number);
83      cout << "LOST";
84      print_table_coloumn_for_name(print_number);
85      cout << "DRAW";
86      print_table_coloumn_for_name(print_number);
87      cout << "POINTS" << endl;
88      print_table_coloumn_for_name(print_number);
89      cout << "*************************************************************************************
          ***********************************\n" << endl;
90  }
91
92
```