SQL PROJECT

SPORT MANAGEMENT SYSTEM

♣ Abstract:-

The article considers sports management as a new sport scientific direction, which is in demand in the sports world today. Sports management in its essence is the sports management, the formation of a coordinated sports team; this is the management of sport organizations at the micro- and macro-level, aimed at promoting the sport development. The purpose of the research is the conceptualization of sports management as an effective factor, which is based on the activity of sports organizations.



The Aim Sport is at the forefront of Sport Marketing and Digital Perimeter Advertising, Scottish Disability Sport have developed the activity inclusion model to help sport respond to the needs of disabled people.

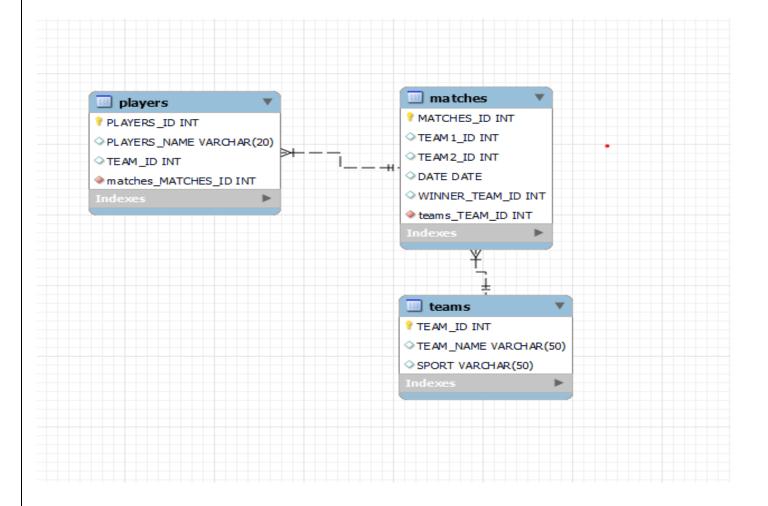
† Objective of project −

Develop physical talents to their maximum potential. Engage in competitive activities, while promoting sound health, safety, and physical fitness. Exemplify good conduct as a means for learning good citizenship.

† Introduction-

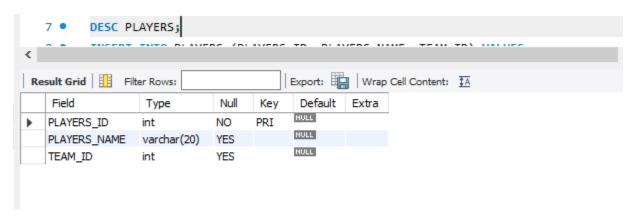
Sport pertains to any form of physical activity or game, often competitive and organized that aims to use, maintain, or improve physical ability and skills while providing enjoyment to participants and, in some cases, entertainment to spectators.

ER Diagram

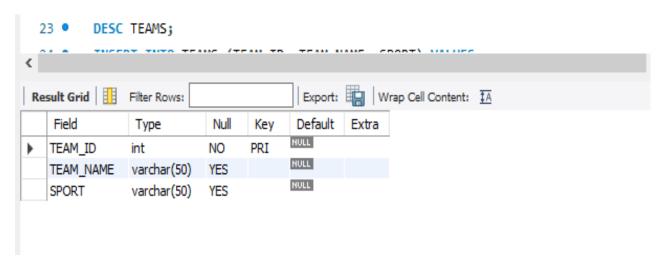


STRUCTURE OF TABLES

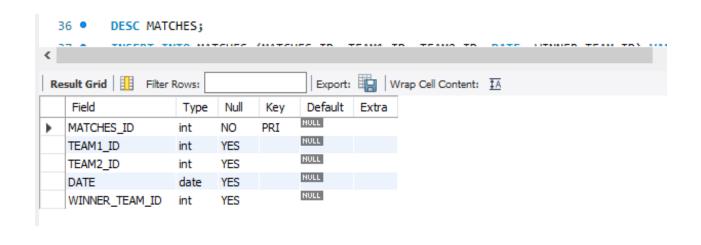
PLAYERS TABLE



TEAM TABLE

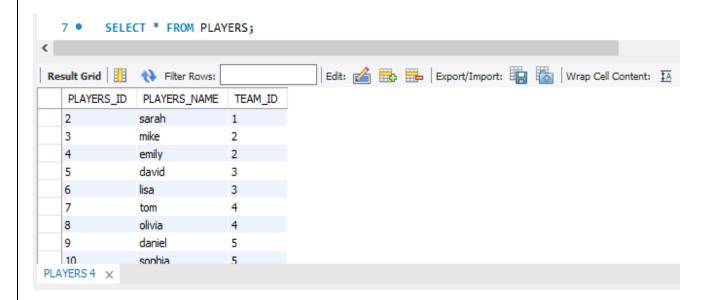


MATCHES TABLE

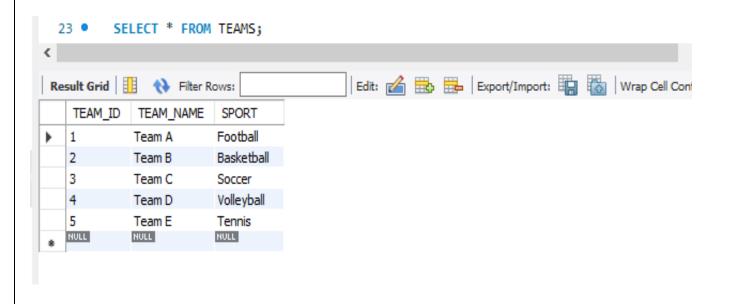


Contents of Tables

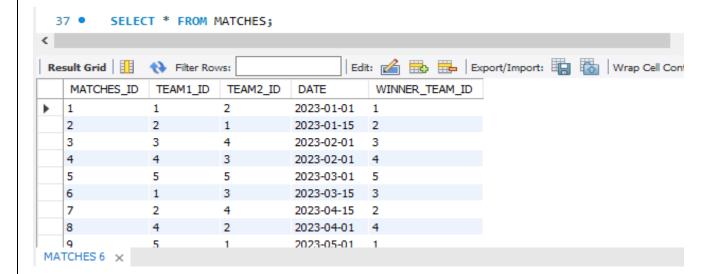
PLAYERS



❖ TEAMS



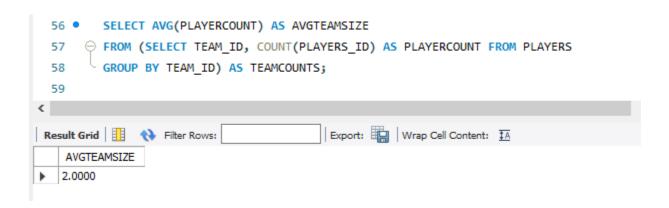
***** MATCHES



AGGREGATE

1. COUNT THE NUMBER OF PLAYERS IN EACH TEAM

2. CALCULATE THE AVERAGE NUMBER OF PLAYERS PER TEAM



3. FIND THE TEAM WITH THE HIGHEST NUMBER OF PLAYERS



4. DETERMINE THE TOTAL NUMBER OF MATCHES



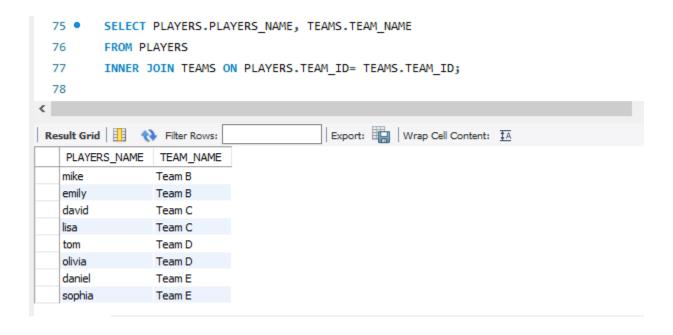
5. CALCULATE THE AVERAGE DATE OF MATCHES



JOINTS

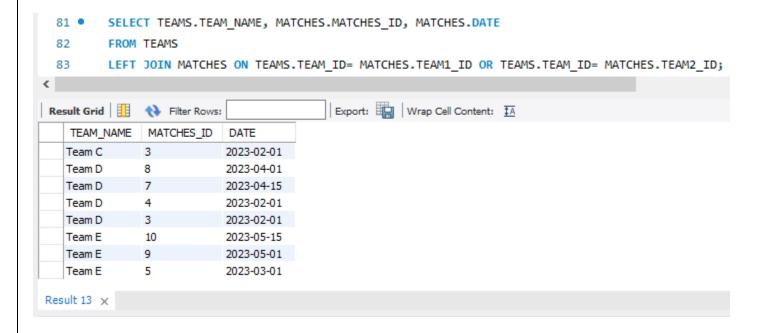
INNER JOIN PLAYERS AND TEAMS

DISPLAY THE NAMES OF PLAYERS AND THEIR RESPECTIVE TEAMS



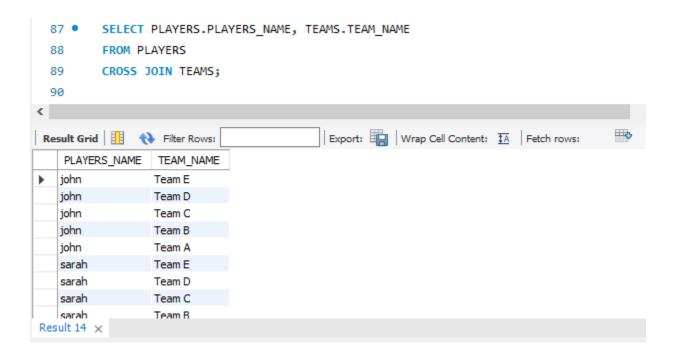
LEFT JOIN TEAMS AND MATCHES

GET A LIST OF ALL TEAMS AND THEIR MATCH INFORMATION



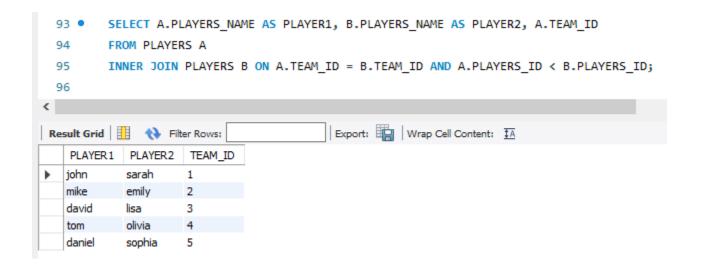
CROSS JOIN PLAYERS

CREATE LIST OF ALL POSSIBLE PLAYER-TEAM COMBINATIONS



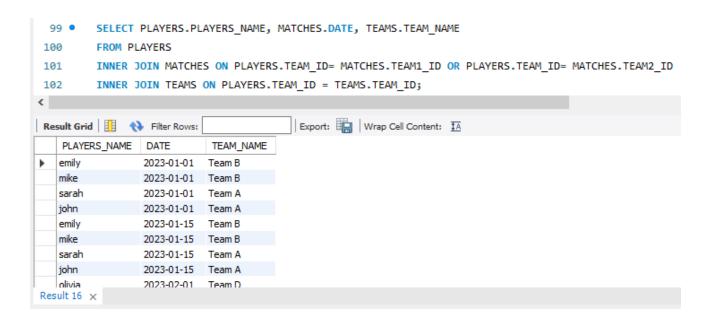
SELF JOIN PLAYERS

• FIND PAIRS OF PLAYERS FROM THE SAME TEAM



MULTIPLE JOINS (PLAYERS, MATCHES, AND TEAMS)

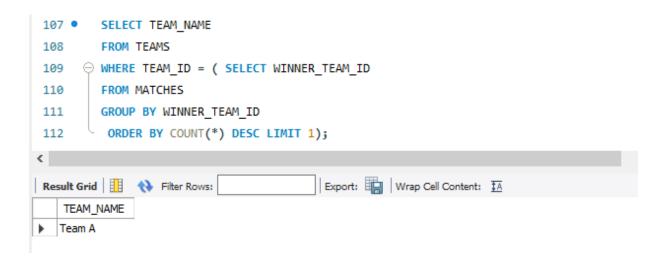
 DISPLAY PLAYERS NAMES, MATCH DATES, AND THE CORRESPONDING TEAM NAMES FOR MATCHES THEY PARTICIPATED IN



QUERIES AND SUBQUERIES

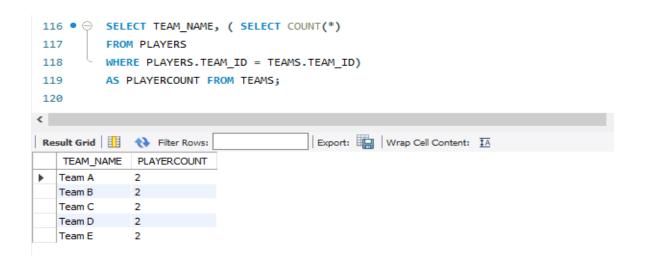
SUBQUERY TO FIND TEAM WITH MOST WINS

FIND THE TEAM WITH THE MOST WINS IN THE MATCHES TABLE



SUBQUERY TO CALCULATE PLAYER COUNT PER TEAM

DETERMINE THE NUMBER OF PLAYERS IN EACH TEAM



SUBQUERY TO FIND MATCHES WITH TEAMS FROM HE SAME SPORT

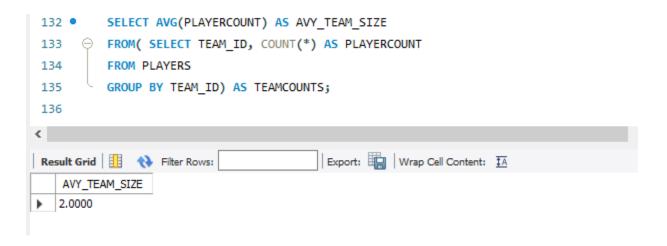
LIST MATCHES WHERE BOTH TEAMS BELONG TO THE SAME SPORT

```
SELECT MATCHES_ID , DATE
 123 •
124
       FROM MATCHES
       WHERE TEAM1_ID IN
125
         (SELECT TEAM ID FROM TEAMS WHERE SPORT = "Basketball")
126
127 

AND TEAM2_ID IN (SELECT TEAM_ID FROM TEAMS)
      WHERE SPORT = "Basketball");
128
129
Edit: 🚄 📆 🖶 Export/Import: 📳 🐻 Wrap Cell Content: 🔼
  MATCHES_ID DATE
• NULL
            NULL
```

SUBQUERY TO CALCULATTE AVERAGE TEAM SIZE

CALCULATE THE AVERAGE NUMBER OF PLAYERS PER TEAM



SUBQUERY TO FIND PLAYERS WITH NO MATCHES

• IDENTIFY PLAYERS WHO HAVEN'T PARTICIPATED IN ANY MATCHES

