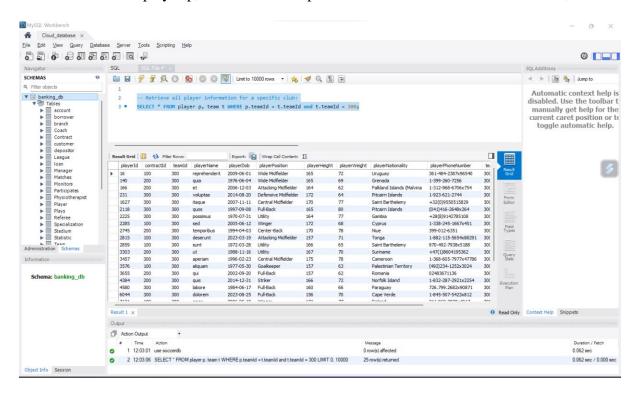
Executing & testing the Soccer Management System database:

Retrieve all player information for a specific club:

SELECT * FROM player p, team t WHERE p.teamId = t.teamId and t.teamId = 300;



Find the three top goal scorers in the league:

WITH RankedPlayers AS (

SELECT P.playerId, P.playerName, S.noOfGoals, TS.leagueId

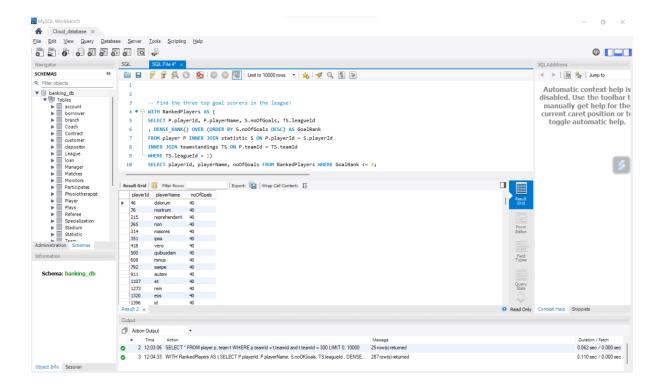
, DENSE_RANK() OVER (ORDER BY S.noOfGoals DESC) AS GoalRank

FROM player P INNER JOIN statistic S ON P.playerId = S.playerId

INNER JOIN teamstandings TS ON P.teamId = TS.teamId

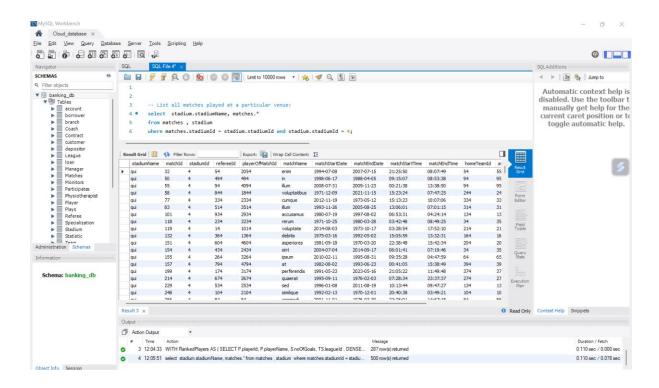
WHERE TS.leagueId = 1)

SELECT playerId, playerName, noOfGoals FROM RankedPlayers WHERE GoalRank <= 3;



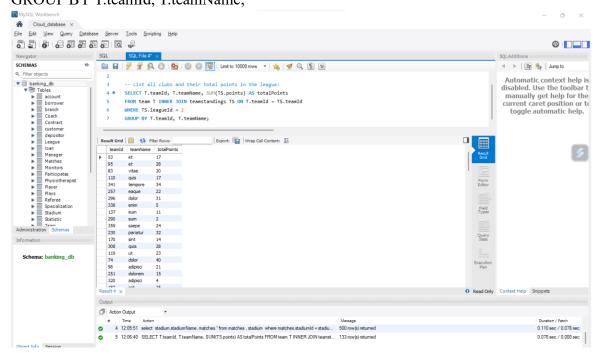
List all matches played at a particular venue:

select stadium.stadiumName, matches.* from matches, stadium
where matches.stadiumId = stadium.stadiumId and stadium.stadiumId = 4;



List all clubs and their total points in the league:

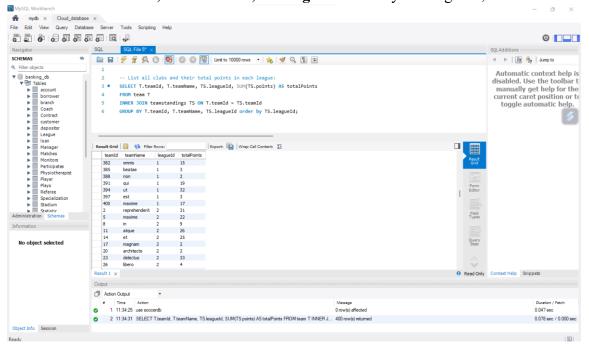
SELECT T.teamId, T.teamName, SUM(TS.points) AS totalPoints FROM team T INNER JOIN teamstandings TS ON T.teamId = TS.teamId WHERE **TS.leagueId** = **2** -- Particular League GROUP BY T.teamId, T.teamName;



List all clubs and their total points in each league:

SELECT T.teamId, T.teamName, TS.leagueId, SUM(TS.points) AS totalPoints

FROM team T INNER JOIN teamstandings TS ON T.teamId = TS.teamId GROUP BY T.teamId, T.teamName, TS.leagueId order by TS.leagueId;

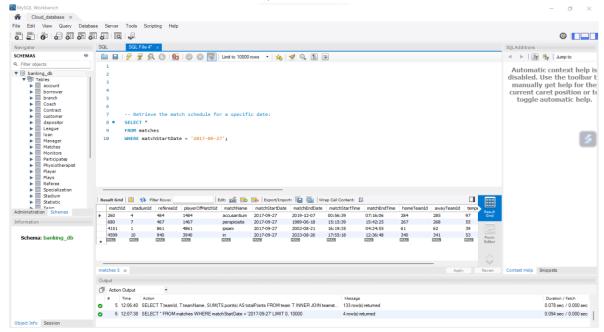


Retrieve the match schedule for a specific date:

SELECT *

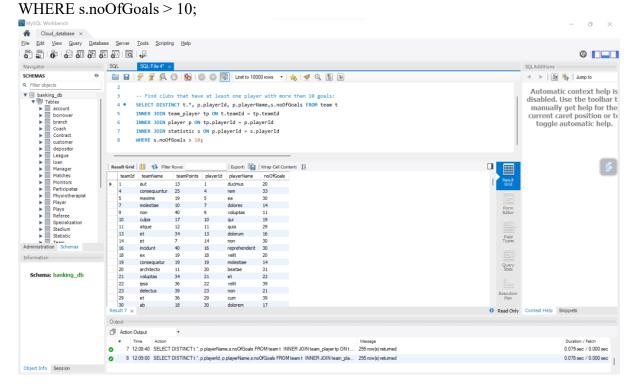
FROM matches

WHERE matchStartDate = '2017-09-27';



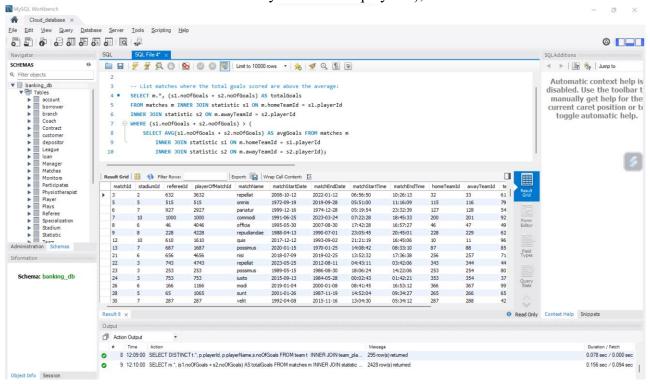
Find clubs that have at least one player with more than 10 goals:

SELECT DISTINCT t.*, p.playerId, p.playerName,s.noOfGoals FROM team t INNER JOIN team_player tp ON t.teamId = tp.teamId INNER JOIN player p ON tp.playerId = p.playerId INNER JOIN statistic s ON p.playerId = s.playerId



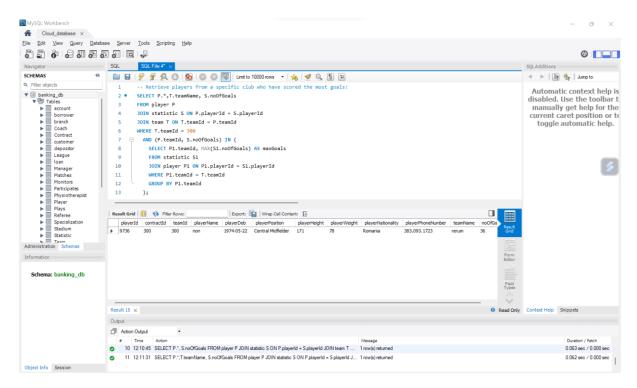
List matches where the total goals scored are above the average:

SELECT m.*, (s1.noOfGoals + s2.noOfGoals) AS totalGoals
FROM matches m INNER JOIN statistic s1 ON m.homeTeamId = s1.playerId
INNER JOIN statistic s2 ON m.awayTeamId = s2.playerId
WHERE (s1.noOfGoals + s2.noOfGoals) > (
SELECT AVG(s1.noOfGoals + s2.noOfGoals) AS avgGoals FROM matches m
INNER JOIN statistic s1 ON m.homeTeamId = s1.playerId
INNER JOIN statistic s2 ON m.awayTeamId = s2.playerId);



Retrieve players from a specific club who have scored the most goals:

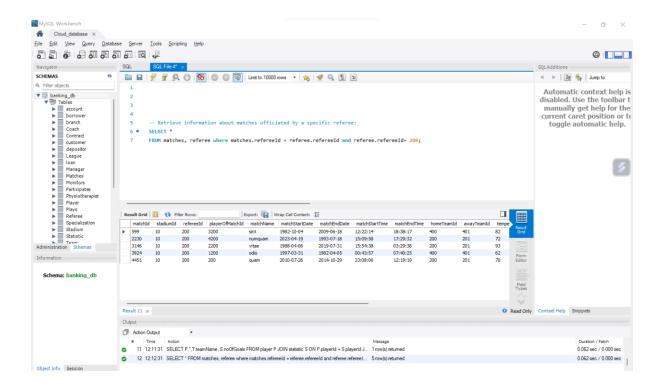
```
SELECT P.*, T. teamName, S. noOfGoals
FROM player P
JOIN statistic S ON P.playerId = S.playerId
JOIN team T ON T. teamId = P. teamId
WHERE T. teamId = 300
AND (P. teamId, S. noOfGoals) IN (
SELECT P1. teamId, MAX(S1. noOfGoals) AS maxGoals
FROM statistic S1
JOIN player P1 ON P1. playerId = S1. playerId
WHERE P1. teamId = T. teamId
GROUP BY P1. teamId
);
```



Retrieve information about matches officiated by a specific referee:

SELECT *

FROM matches, referee where matches.refereeId = referee.refereeId and referee.refereeId= **200**;



List all matches played at a specific venue within a certain date range:

select stadium.stadiumName, matches.*

from matches, stadium

where matches.matchStartDate between '1995-08-15' and '2022-10-15' and matches.stadiumId = stadium.stadiumId and stadium.stadiumId = 7;

