

University of Manitoba
COMP 3380
Database Concepts and Usage
Part 2.2

Date: December 23, 2021

Group Number: 26

Nouran Bileha – bilehan@myumanitoba.ca
Mansimar Bhasin – bhasinm@myumanitoba.ca
Aneesh Makkar – makkara@myumanitoba.ca
Tanish Sood – soodt@myumanitoba.ca
Zenish Yopinbhai Patel – patelzy@myumanitoba.ca

SQL Queries

- 1. A query that will give the number of players that play in a specific team.**
select TeamName, count(*) as numPlayers from PlayerInfo natural join TeamInfo natural join team group by TeamName;
- 2. Players with same DOB**
select distinct A.PlayerName as player1, B.PlayerName as Player2, A.DOB
from PlayerInfo A, PlayerInfo B where A.DOB = B.DOB AND A.PlayerName !=
B.PlayerName
order by A.PlayerName;
- 3. Players who played at least 1 match in “DELHI” (capital city of IPL).**
select PlayerName from PlayerInfo natural join TeamInfo WHERE ID in(
select distinct ID from player
natural join match natural join Stadium
natural join Location where CityName = 'Delhi'
)
- 4. City in which the maximum number of matches were held in descending order.**
select CityName, count(*) as numMatches from match natural join stadium natural join
location group by CityName
having numMatches > 50
order by count(*) DESC;
- 5. Looking for a captain for the teams? Here we go!**
select PlayerName from PlayerInfo natural join TeamInfo where ID in
(select ID from position natural join designation where RoleName = 'Captain');
- 6. Players who played a match in Chennai(or any other city) as a wicketkeeper(or any other role).**
select PlayerName from PlayerInfo natural join TeamInfo natural join player where
MatchID in(
select MatchID from match natural join Stadium NATURAL JOIN location where
CityName = 'Chennai')
UNION
select PlayerName from PlayerInfo natural join teamInfo natural join designation where
RoleID in(select RoleID from Position where RoleName = 'Keeper')
- 7. Number of cricket stadium in each country**
select country, count(*) as numStadiums from stadium
natural join location
group by country
order by numStadiums;
- 8. Player who played the most number of matches.**
select PlayerName from PlayerInfo natural join TeamInfo where id in(

```
select id from player natural join match group by MatchID
order by count(MatchID) DESC
```

```
)
limit 1
```

9. Cricketers who played in UAE(or any other country) and were right arm medium pacers(or any other batting/bowling skills)

```
select PlayerName from PlayerInfo natural join TeamInfo where id in(
select id from skills where BowlingStyle = 'Right-arm medium'
)
union
select PlayerName from playerInfo natural join TeamInfo where id in(
select id from player natural join match natural join Stadium natural join Location
      where country = 'UAE'
)
order by PlayerName desc
```

10. Which team played the maximum number of matches in all cities

```
select TeamName,MatchID,count(*) from team natural join TeamInfo natural join
PlayerInfo natural join player natural join match natural join stadium natural join location
l where MatchID in(
select MatchID from match natural join Stadium NATURAL JOIN Location where
CityName = l.CityName
)
group by MatchID
order by count(MATCHID) desc limit 1
```