create view VenueWinInfo as

with VenueTotalWinCount as (

        select venueID, winner, count(winner) as TotalWinCount

   from ipl.match_details

        group by venueID, winner)

, VenueCurrentWinCount as (

        select venueID, winner, count(winner) as CurrentSeasonWinCount

   from ipl.match_details

             where season = (select max(season) from ipl.match_details)

        group by venueID, winner)

, AllWins as (

        select a.venueID, a.winner as team, TotalWinCount, CurrentSeasonWinCount

   from VenueTotalWinCount a left join VenueCurrentWinCount b

   on a.venueID = b.venueID and a.winner = b.winner)

select id, venue, city, team,

        ifnull(TotalWinCount, 'No Wins Yet') as TotalWinCount,

   ifnull(CurrentSeasonWinCount, 'No Wins Yet') as CurrentSeasonWinCount

        from ipl.venue a left join AllWins b on a.id = b.venueID;

```
create view VenueWinInfo as
with VenueTotalWinCount as (
    select venueID, winner, count(winner) as TotalWinCount
    from ipl.match_details
    group by venueID, winner)

, VenueCurrentWinCount as (
    select venueID, winner, count(winner) as CurrentSeasonWinCount
    from ipl.match_details
        where season = (select max(season) from ipl.match_details)
    group by venueID, winner)

, AllWins as (
    select a.venueID, a.winner as team, TotalWinCount, CurrentSeasonWinCount
    from VenueTotalWinCount a left join VenueCurrentWinCount b
    on a.venueID = b.venueID and a.winner = b.winner)

select id, venue, city, team,
    ifnull(TotalWinCount, 'No Wins Yet') as TotalWinCount,
    ifnull(CurrentSeasonWinCount, 'No Wins Yet') as CurrentSeasonWinCount
    from ipl.venue a left join AllWins b on a.id = b.venueID;
```

```
 7
 8 •    select * from VenueWinInfo where
 9          venue = 'Wankhede Stadium' and team in ('Mumbai Indians', 'Chennai Super Kings')
10
11
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝕴𝕬

id	venue	city	team	TotalWinCount	CurrentSeasonWinCount
V019	Wankhede Stadium	Mumbai	Mumbai Indians	39	2
V019	Wankhede Stadium	Mumbai	Chennai Super Kings	7	No Wins Yet

###Q2 – Regex to extract birth date and birth place from birth info column for players

(ps the column names 'full name' and 'birth info' have been changed in this query)

select Name, FullName, BirthInfo,

        left(BirthInfo,regexp_instr(BirthInfo, '[0-9]',1,6)) as BirthDate,

   right(BirthInfo,length(BirthInfo) -(regexp_instr(BirthInfo, '[0-9]',1,6) +2)) as BirthPlace

from ipl.players_info_with_keys;

#1 screenshot – query

```
 6
 7 •    select Name, FullName, BirthInfo,
 8          left(BirthInfo,regexp_instr(BirthInfo, '[0-9]',1,6)) as BirthDate,
 9          right(BirthInfo,length(BirthInfo) -(regexp_instr(BirthInfo, '[0-9]',1,6) +2)) as BirthPlace
10      from ipl.players_info_with_keys;
11
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝕴𝕬

Name	FullName	BirthInfo	BirthDate	BirthPlace
AA Bilakhia	Azharuddin Anjum Bilakhia	May 31, 1986, Mohwa, Bhavnagar, Gujarat	May 31, 1986	Mohwa, Bhavnagar, Gujarat
AA Chavan	Ankeet Anil Chavan	October 28, 1985, Bombay (now Mumbai), Mah…	October 28, 1985	Bombay (now Mumbai), Maharashtra
AA Jhunjhunwala	Abhishek Arunkumar Jhunjhunwala	December 01, 1982, Calcutta (now Kolkata), Be…	December 01, 1982	Calcutta (now Kolkata), Bengal
AA Kazi	Abrar Anjum Kazi	September 29, 1989, Bangalore, Karnataka	September 29, 1989	Bangalore, Karnataka
AA Noffke	Ashley Allan Noffke	April 30, 1977, Nambour, Queensland	April 30, 1977	Nambour, Queensland
A Ashish Reddy	Ammana Ashish Reddy	February 24, 1991, Secunderabad	February 24, 1991	Secunderabad
A Badoni	Ayush Badoni	December 03, 1999, Delhi	December 03, 1999	Delhi
AB Agarkar	Ajit Bhalchandra Agarkar	December 04, 1977, Bombay (now Mumbai), Ma…	December 04, 1977	Bombay (now Mumbai), Maharashtra
AB Barath	Adrian Boris Barath	April 14, 1990, Chaguanas, Trinidad	April 14, 1990	Chaguanas, Trinidad
AB de Villiers	Abraham Benjamin de Villiers	February 17, 1984, Pretoria	February 17, 1984	Pretoria
AB Dinda	Ashok Bhimchandra Dinda	March 25, 1984, Medinipur, Calcutta (now Kolka…	March 25, 1984	Medinipur, Calcutta (now Kolkata)
Abdul Samad	Abdul Samad Farooq	October 28, 2001, Kala Kot, Jammu & Kas…	October 28, 2001	Kala Kot, Jammu & Kashmir

###Q3 - Stored Proc to update a player for a match in LineUp table

delimiter &&

create procedure ipl.UpdateMatchLineup (in Matchid int, in OldId varchar(255), in NewName varchar(255), in NewId varchar(255))

begin

        update ipl.lineup set Players = NewName, identifier = NewId

  where Match_ID = Matchid and identifier = OldId;

end;

```
delimiter &&
create procedure ipl.UpdateMatchLineup (in Matchid int, in OldId varchar(255), in NewName varchar(255), in NewId varchar(255))
begin
    update ipl.lineup set Players = NewName, identifier = NewId
    where Match_ID = Matchid and identifier = OldId;
end;
```

```
5 •   SELECT * FROM ipl.lineup where Match_ID = 980947 order by 2;
6
```

Match_ID	Team	Players	identifier
980947	Kolkata Knight Riders	RV Uthappa	1c17e270
980947	Kolkata Knight Riders	G Gambhir	bb345e0b
980947	Kolkata Knight Riders	Shakib Al Hasan	7dc35884
980947	Kolkata Knight Riders	SA Yadav	271f83cd
980947	Kolkata Knight Riders	AD Russell	bbd41817
980947	Kolkata Knight Riders	CA Lynn	45eda7c8
980947	Kolkata Knight Riders	YK Pathan	3c6ffae8
980947	Kolkata Knight Riders	R Sathish	626c5379
980947	Kolkata Knight Riders	UT Yadav	cc1e8c68
980947	Kolkata Knight Riders	SP Narine	9d430b40
980947	Kolkata Knight Riders	JD Unadkat	1e66c162
980947	Mumbai Indians	RG Sharma	740742ef
980947	Mumbai Indians	PA Patel	b5da6c24
980947	Mumbai Indians	AT Rayudu	70d205c9

```
1
2 •   call UpdateMatchLineup (980947, '271f83cd', 'AB Dinda', '66b30f71');
3
4 •   SELECT * FROM ipl.lineup where Match_ID = 980947 order by 2;
5
```

Match_ID	Team	Players	identifier
980947	Kolkata Knight Riders	RV Uthappa	1c17e270
980947	Kolkata Knight Riders	G Gambhir	bb345e0b
980947	Kolkata Knight Riders	Shakib Al Hasan	7dc35884
980947	Kolkata Knight Riders	AB Dinda	66b30f71
980947	Kolkata Knight Riders	AD Russell	bbd41817
980947	Kolkata Knight Riders	CA Lynn	45eda7c8
980947	Kolkata Knight Riders	YK Pathan	3c6ffae8
980947	Kolkata Knight Riders	R Sathish	626c5379
980947	Kolkata Knight Riders	UT Yadav	cc1e8c68
980947	Kolkata Knight Riders	SP Narine	9d430b40
980947	Kolkata Knight Riders	JD Unadkat	1e66c162
980947	Mumbai Indians	RG Sharma	740742ef
980947	Mumbai Indians	PA Patel	b5da6c24

Q4 – Stored Proc to update winner, outcome etc in match details table

delimiter &&

create procedure ipl.UpdateMatchWinner (in Matchid int, in NewWinner varchar(255), in WinBy int, in WinType varchar(255))

begin

        update ipl.match_details set winner = NewWinner, win_by = WinBy, winner_type = WinType

   where Match_ID = Matchid;

end;

```
    delimiter &&
•   create procedure ipl.UpdateMatchWinner (in Matchid int, in NewWinner varchar(255), in WinBy int, in WinType varchar(255))
⊝   begin
        update ipl.match_details set winner = NewWinner, win_by = WinBy, winner_type = WinType
        where Match_ID = Matchid;
    end;
```

```
2
3 •    SELECT * FROM ipl.match_details where Match_id = 829779;
4
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

ate	event	match_number	toss_winner	toss_decision	player_of_match	winner	win_by	match_id	winner_type	outcome	eliminator	me
4/2015	Indian Premier League	37	Chennai Super Kings	bat	SK Raina	Chennai Super Kings	24	829779	runs			

```
2 •    call UpdateMatchWinner (829779, 'Royal Challengers Bangalore', 99, 'runs');
3
4 •    SELECT * FROM ipl.match_details where Match_id = 829779;
5
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

event	match_number	toss_winner	toss_decision	player_of_match	winner	win_by	match_id	winner_type	outcome	eliminator	n
Indian Premier League	37	Chennai Super Kings	bat	SK Raina	Royal Challengers Bangalore	99	829779	runs			

Q5 Stored proc to update venue id in case of venue changes

delimiter &&

create procedure ipl.UpdateMatchVenue (in Matchid int, in NewVenueId varchar(255))

begin

        update ipl.match_details set venueID = NewVenueId

   where Match_ID = Matchid;

end;

```
    delimiter &&
•   create procedure ipl.UpdateMatchVenue (in Matchid int, in NewVenueId varchar(255))
⊝   begin
        update ipl.match_details set venueID = NewVenueId
        where Match_ID = Matchid;
    end;
```

```
4
5 •   SELECT * FROM ipl.match_details where Match_id = 829779;
6
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

event	match_number	toss_winner	toss_decision	player_of_match	winner	win_by	match_id	winner_type	outcome	eliminator	method	date1	date2	venueID
Indian Premier League	37	Chennai Super Kings	bat	SK Raina	Royal Challengers Bangalore	99	829779	runs						V028

```
2     call UpdateMatchVenue (829779, 'V031');
3
4 •   SELECT * FROM ipl.match_details where Match_id = 829779;
5
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

event	match_number	toss_winner	toss_decision	player_of_match	winner	win_by	match_id	winner_type	outcome	eliminator	method	date1	date2	venueID
Indian Premier League	37	Chennai Super Kings	bat	SK Raina	Royal Challengers Bangalore	99	829779	runs						V031

###Q6 Check condition in tables where team names are present to only accept the exact IPL team name

CREATE TABLE ipl.lineup (

 Match_ID int,

 Team text,

 Players text,

 identifier text,

 check (Team in (

          'Chennai Super Kings',

          'Deccan Chargers',

          'Delhi Capitals',

          'Delhi Daredevils',

          'Gujarat Lions',

          'Gujarat Titans',

          'Kings XI Punjab',

          'Kochi Tuskers Kerala',

          'Kolkata Knight Riders',

          'Lucknow Super Giants',

          'Mumbai Indians',

          'Pune Warriors',

          'Punjab Kings',

          'Rajasthan Royals',

          'Rising Pune Supergiant',

          'Rising Pune Supergiants',

          'Royal Challengers Bangalore',

          'Sunrisers Hyderabad')));

```
CREATE TABLE ipl.lineup (
  Match_ID int,
  Team text,
  Players text,
  identifier text,
  check (Team in (
    'Chennai Super Kings',
    'Deccan Chargers',
    'Delhi Capitals',
    'Delhi Daredevils',
    'Gujarat Lions',
    'Gujarat Titans',
    'Kings XI Punjab',
    'Kochi Tuskers Kerala',
    'Kolkata Knight Riders',
    'Lucknow Super Giants',
    'Mumbai Indians',
    'Pune Warriors',
    'Punjab Kings',
    'Rajasthan Royals',
    'Rising Pune Supergiant',
    'Rising Pune Supergiants',
    'Royal Challengers Bangalore',
    'Sunrisers Hyderabad')));
```

```
20
21 •    insert into ipl.lineup
22      values (980913, 'Mangalore Bhajjis', 'V Kohli', 'ba607b88');
```

Output

Action Output ▾

#	Time	Action	Message
✅	152 11:43:58	SELECT * FROM ipl.players_info_with_keys LIMIT 0, 1000	642 row(s) returned
✅	153 11:44:09	SELECT * FROM ipl.players_info_with_keys order by 1 desc LIMIT 0, 1000	642 row(s) returned
❌	154 11:45:08	insert into ipl.lineup values (980913, 'Mangalore Bhajjis', 'V Kohli', 'ba607b88')	Error Code: 3819. Check constraint 'lineup_chk_1' is violated.