```
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;
```

#2 screenshots – query, output

```
create view VenueWinInfo 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;
```



###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)

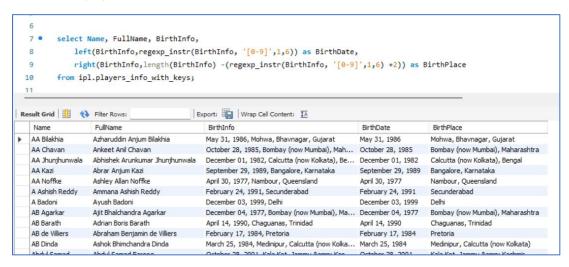
select Name, FullName, BirthInfo,

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



###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;

#3 screenshots – query, before, after

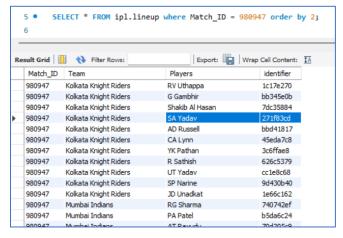
```
delimiter &&

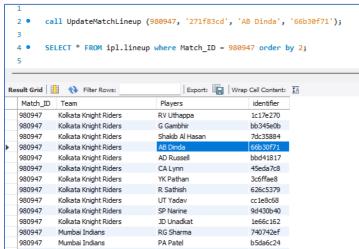
create procedure ipl.UpdateMatchLineup (in Matchid int, in OldId varchar(255), in NewName varchar(255), in NewId varchar(255))

⇒ begin

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

where Match_ID = Matchid and identifier = OldId;
end;
```





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

delimiter &&

begin

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

```
update ipl.match_details set winner = NewWinner, win_by = WinBy, winner_type = WinType
where Match_ID = Matchid;
end;
```

#3 screenshots – query, before, after

```
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;
```





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

delimiter &&

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

begin

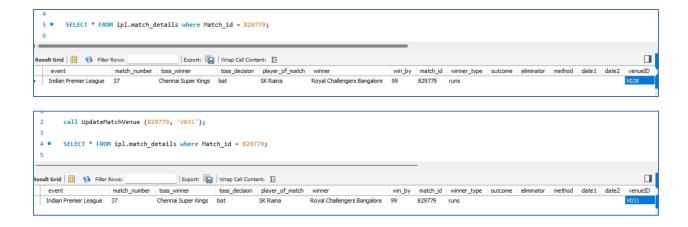
update ipl.match_details set venueID = NewVenueId

where Match_ID = Matchid;

end;

#3 screenshots – query, before, after

```
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;
```



###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')));
```

#2 screenshots – query, output

```
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')));
```

