###Q1 View to show venue wins for teams that are playing that day, before a match starts (current and total season wins)

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

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

###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

A screenshot of a computer

Description automatically generated

###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

A computer code with text

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

###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;

#3 screenshots – query, before, after

A close-up of a white background

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

###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;

#3 screenshots – query, before, after

A white background with black and blue text

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

###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

A screenshot of a computer screen

Description automatically generated

A screenshot of a computer

Description automatically generated