1)

create view DateGoals

as

(select game.date, game.homeGoals as goals

from game

where game.homeTeamName='CalPoly')

union

(select game.date, game.awayGoals as goals

from game

where game.awayTeamName='CalPoly');

select date

from DateGoals d

where d.goals = (select max(goals) from DateGoals)

2)

create view totalGoals as

(select g.homeTeamName as name, max(g.homeGoals) as goals

from Game g

group by g.homeTeamName)

union

(select g.awayTeamName as name, sum(g.awayGoals) as goals

from Game g

group by g.awayTeamName);

select name

from totalGoals

group by name

having sum(goals)>= all (select sum(goals) from totalGoals group by name)

3)

select count(\*)

from game

where (game.homeTeamName='CalPoly' and game.homeGoals> game.awayGoals) or

(game.awayTeamName='CalPoly' and game.awayGoals > game.homeGoals)

4)

create view GoalsPerGame as

select p.soccerPlayerID,sum(p.goals) as goals

from participate p

where p.soccerPlayerTeamName='CalPoly'

group by p.soccerPlayerID;

select sp.name

from GoalsPerGame gpg,SoccerPlayer sp

where gpg.soccerPlayerID = sp.id and sp.teamName='CalPoly' and gpg.goals = (Select max(goals) from GoalsPerGame);

5)

select g.id, g.homeTeamName, g.awayTeamName, g.homeGoals, g.awayGoals,g.date

from game g, participate p

where g.id = p.gameID and p.soccerPlayerTeamName='CalPoly' and (g.homeTeamName='Cal Poly' or g.awayTeamName='Cal Poly')

group by g.id, g.homeTeamName, g.awayTeamName, g.homeGoals, g.awayGoals,g.date

having count(\*)=14;

6) What are the names of Cal Poly soccer players that have played in every single Cal Poly game? \*

select name

from soccerplayer sp

where sp.teamName='CalPoly'

and not exists (select \*

from game g

where (g.homeTeamName='CalPoly' or g.awayTeamName='CalPoly') and not exists (

select \*

from participate p

where p.gameId=g.id and p.soccerPlayerId=sp.id));

7)

create view GoalsByCalPoly as

select p.soccerPlayerID, sum(goals) as totalGoals

from participate p

where p.soccerPlayerTeamName='CalPoly'

group by p.soccerPlayerID;

select sp.name

from GoalsByCalPoly v, SoccerPlayer sp

where v.soccerPlayerID = sp.id

order by v.totalGoals asc

8)

select name

from soccerplayer sp

where sp.teamName='CalPoly' and

sp.id not in

(select p.soccerPlayerID

from game g, participate p

where g.id = p.gameID and

((g.homeTeamName='CalPoly' and g.awayGoals > 0) or

(g.awayTeamName='CalPoly' and g.homeGoals > 0))

);

9) select t.name, count(g.id)

from team t left join game g on (t.name = homeTeamName or t.name=g.awayTeamName)

group by t.name