

1. select DISTINCT master.nameFirst, master.nameLast from managers join master join teams where managers.teamID=teams.teamID and master.masterID = managers.masterID and teams.name="New York Yankees" and managers.yearID = teams.yearID

Comments: joined master and managers table with masterID and yearID and joined teams table with managers table using column teamID and applied condition teams.name="New York Yankees"

2. select name as "Team Name", count(WSWin) as Loses from teams where WSWin is not null and WSWin = "N" and LgWin = "Y" group by name order by Loses desc

Comments: getting names of teams applying conditions where WSWIN is not null and WSWIN = "N" and LgWin="Y" return the team name that has not won any world series league

3. select distinct master.nameFirst, master.nameLast from batting join master where batting.H > 200 and batting.masterID = master.masterID

Comments: retrieve the first and last name of player whose batting hits more than 200 , joined batting and master table with masterID

4. select distinct master.nameFirst, master.nameLast from pitching join master where pitching.masterID = master.masterID and master.nameFirst = "Roger";

Comments: get the names of pitchers whose first name is roger by joining pitchers table with master and applying where condition nameFirst = "Roger"

5. select distinct
(master.nameLast), master.nameFirst, master.debut, master.finalGame, sum(batting.H) as Hits, sum(batting.ab) as Hits, round((sum(batting.H)/sum(batting.ab)),3) as Average from master join batting where master.birthState = "UT" and master.masterID = batting.masterID group by batting.masterID order by master.nameLast

Comments: joining tables master , batting with columns masterID and condition birthState = "UT" , for avg batting using aggregate functions like sum

6. select distinct master.nameFirst, master.nameLast from master join pitching join teams where master.masterID= pitching.masterID and teams.name="Montreal Expos" and teams.teamID=pitching.teamID order by master.nameLast

Comment: join teams, pitching and master table with column masterID and teamID and teamName is Montreal Expos

7. select distinct master.nameFirst as "First Name", master.nameLast as "Last Name" from master join appearances join teams where teams.yearID = appearances.yearID and appearances.teamID = teams.teamID and appearances.masterID = master.masterID and teams.name="Brooklyn Dodgers"

Comment: joined 3 tables master and teams table using appearance table because master and team does not have common column, and get names of players who played for Brooklyn Dodgers any time in their career.

8. select master.nameFirst, master.nameLast, fielding.yearID, fielding.E from fielding join master where fielding.E > 100 and master.masterID = fielding.masterID;

Comment: joined master and fielding table using column masterID, and has Errors more than 100

9. SELECT distinct master.nameFirst as "First Name", master.nameLast as "Last Name" FROM appearances, master, teams WHERE appearances.teamID = teams.teamID AND appearances.masterID = master.masterID and teams.yearID = appearances.yearID AND teams.name = 'Brooklyn Dodgers' AND master.masterID NOT IN (SELECT appearances.masterID FROM appearances, teams WHERE appearances.teamID = teams.teamID and teams.yearID = appearances.yearID AND teams.name <> 'Brooklyn Dodgers')

Comment: get firstname and last name of players who played only for brooklyn dodgers, using sub query get only masterID of players who has not played for brooklyn dodgers then find the players who has played for Brooklyn Dodgers using keyword "NOT IN" we can filter the players who played for only Brooklyn Dodgers

10. select name as "Team Name", sum(w)/(sum(w)+sum(L)) as "Win Percentage", sum(W) as "Total Wins", sum(L) as "Total Loses" from teams group by name order by name;

Comment: get team name, Win Percentage, Total Sum and Total Loses using aggregate operations like sum