# Part 1

1. select Name from Patrons natural join CheckedOut group by CardNum order by count(\*) desc limit 1;
2. select Author from Titles group by Author having count(\*)>1;
3. select Author from Titles natural join Inventory group by Author having count(\*)>1;
4. select Name, case when CheckedOutCount>2 then 'Platinum' when CheckedOutCount=2 then 'Gold' when CheckedOutCount=1 then 'Silver' else 'Bronze' end as LoyaltyLevel from Patrons natural left join (select CardNum, count(\*) as CheckedOutCount from Patrons natural join CheckedOut group by CardNum) as CheckedOutCounts;

# Part 2

1. select Name from Players where Elo>=2850;
2. select distinct Name from Players join Games on pID=WhitePlayer;
3. select distinct Name from Players join Games on pID=WhitePlayer and Result='W';
4. select distinct Players.Name from Players join Games join Events on (pID=WhitePlayer or pID=BlackPlayer) and Games.eID=Events.eID and year(Date)=2018;
5. select Name, year(Date) from (select eID from Players join Games on Name='Carlsen, Magnus' and pID=WhitePlayer and Result='B' union select eID from Players join Games on Name='Carlsen, Magnus' and pID=BlackPlayer and Result='W') as EventsCarlsenLost natural join Events;
6. select Name from (select BlackPlayer as pID from Players join Games on Name='Carlsen, Magnus' and pID=WhitePlayer union select WhitePlayer as pID from Players join Games on Name='Carlsen, Magnus' and pID=BlackPlayer) as OpponentPIDs natural join Players;
7. select Name from Players where pID not in (select WhitePlayer as pID from Games where Result='B' union select BlackPlayer as pID from Games where Result='W');

# Part 3

1. select ISBN, Title, Author from Patrons natural join CheckedOut natural join Inventory natural join Titles where Name="<Patron's Name>";
2. *TODO*