

Part 2)

```
CREATE Table carInventory ( VIN varchar(255), make varchar(255), model  
varchar(255), year integer, color varchar(255), PRIMARY KEY (VIN) );
```

```
CREATE TABLE SalesPeople(  
    -> SSN integer,  
    -> name varchar(255),  
    -> PRIMARY KEY (SSN)  
    -> );
```

```
CREATE TABLE Assignments( VIN varchar(255), SSN integer, PRIMARY KEY  
(VIN, SSN), FOREIGN KEY(SSN) References SalesPeople, FOREIGN KEY(VIN)  
References carInventory);
```

```
Insert Into carInventory VALUES ('JH4DA3350HS000229', 'Toyota',  
'Tacoma', '2008', 'Red');  
Insert Into carInventory VALUES ('JM3ER293490222369 ', 'Toyota',  
'Tacoma', '1999', 'Green');  
Insert Into carInventory VALUES ('JH4DA9350LS003644', 'Tesla', 'Model  
3', '2018', 'White');  
Insert Into carInventory VALUES ('1FVACWCSX4HM74500', 'Subaru', 'WRX',  
'2016', 'Blue');  
Insert Into carInventory VALUES ('JH4KA3140KC015221', 'Ford', 'F150',  
'2004', 'Red');
```

```
Insert Into SalesPeople VALUES ('210919203', 'Arnold');  
Insert Into SalesPeople VALUES ('203970239', 'Hannah');  
Insert Into SalesPeople VALUES ('092348080', 'Steve');
```

```
Insert Into Assignments VALUES ('JH4DA3350HS000229', '210919203');  
Insert Into Assignments VALUES ('JM3ER293490222369', '210919203');  
Insert Into Assignments VALUES ('JH4DA3350HS000229', '203970239');  
Insert Into Assignments VALUES ('JH4KA3140KC015221', '203970239');  
Insert Into Assignments VALUES ('JH4DA9350LS003644', '092348080');
```

Part 3)

```
select Title from Titles where Author = '<Author>';
```

```
select Serial from Inventory Natural Join Titles where Author =  
'<Author>';
```

```
select Title from Titles natural join Inventory natural join
```

```
CheckedOut natural join Patrons where Name= '<Patron Name>';

select Phone from Phones where CardNum in (select CardNum from
CheckedOut natural join Inventory natural join Titles where Title =
'<Title>');
```

Part 4)

```
select Title from Titles natural join Inventory ORDER BY Serial LIMIT
<N>;

select Name from Patrons natural join CheckedOut order by Serial DESC
Limit 1;

select Phone from Phones natural join Patrons where CardNum not in
(select CardNum from CheckedOut);

select DISTINCT Title, ISBN from Titles natural join Inventory;
```

Part 5)

```
select Name from Players where Elo > 2850;

select Name from Players join Games where WhitePlayer = pID;

select Name from Players join Games where WhitePlayer = pID AND Result
= 'W';

select DISTINCT Name from Players where pID in(select BlackPlayer from
Games natural join Events where Date = 2018 UNION select WhitePlayer
from Games natural join Events where Date = 2018);

select Name, Date from Events where eID IN(select eID from Games where
(WhitePlayer = (select pID from Players where Name = "Carlsen,
```

```
Magnus") AND Result = 'B') UNION select eID from Games where  
(BlackPlayer = (select pID from Players where Name = "Carlsen,  
Magnus") AND Result = 'W'));
```

```
select Name from Players where pID IN(select WhitePlayer from Games  
where BlackPlayer = (select pID from Players where Name="Carlsen,  
Magnus") UNION select BlackPlayer from Games where WhitePlayer =  
(select pID from Players where Name="Carlsen, Magnus"))
```