

**Problem 1**

8.1.1 a)

```
CREATE VIEW RichExec AS  
SELECT name, address, cert#, networth  
FROM MovieExec  
WHERE netWorth >= 10000000;
```

8.1.1 b)

```
CREATE VIEW StudioPres AS  
SELECT MovieExec.name, MovieExec.address, MovieExec.cert#  
FROM MovieExec INNER JOIN Studio ON MovieExec.cert# = Studio.presCert#;
```

8.1.1 c)

```
CREATE VIEW ExecutiveStar AS  
SELECT MovieStar.name, MovieStar.address, gender, birthdate  
FROM MovieExec INNER JOIN MovieStar ON MovieExec.name = MovieStar.name AND  
MovieExec.address = MovieStar.address;
```

**Problem 2**

8.1.2 a)

```
SELECT name  
FROM ExecutiveStar  
WHERE gender = 'female';
```

8.1.2 b)

```
SELECT RichExec.name  
FROM RichExec, StudioPres  
WHERE RichExec.name= StudioPress.name AND RichExec.address= StudioPress.address;
```

8.1.2 c)

```
SELECT StudioPres.name  
FROM RichExec, StudioPres  
WHERE RichExec.name= StudioPress.name AND RichExec.address= StudioPress.address  
AND RichExec.NetWorth >= 50000000;
```

**Problem 3**

8.2.2 a) No

8.2.2 b)

```
CREATE TRIGGER DisneyComedyInsert
INSTEAD OF INSERT ON DisneyComedies
REFERENCING NEW ROW AS NewRow
FOR EACH ROW
INSERT INTO Movies(title, year, length, studioName, genre)
VALUES(NewRow.title, NewRow.year, NewRow.length, 'Disney', 'comedy');
```

8.2.2 c)

```
CREATE TRIGGER DisneyComedyUpdate
INSTEAD OF UPDATE ON DisneyComedies
REFERENCING NEW ROW AS NewRow
FOR EACH ROW
UPDATE Movies SET length NewRow.length
WHERE title=NewRow.title AND year=NewRow.year AND studioName='Disney' AND
genre='comedy';
```

**Problem 4**

Action	No Index	Star Index	Movie Index	Both Indexes
Q1	100	4	100	4
Q2	100	100	4	4
<i>l</i>	2	4	4	6
Average	2+98p1+98p2	4+96p2	4+96p1	6-2p1-2p2