

## **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	$2+98p1+98p2$	$4+96p2$	$4+96p1$	$6-2p1-2p2$