

CSC343 Worksheet 6 Solution

June 21, 2020

1. Exercise 8.1.1:

a)

```
1 CREATE VIEW RichExec AS
2     SELECT * FROM MovieExec
3     WHERE netWorth >= 100000000;
4
```

Notes:

- Virtual Views
 - **Syntax:** CREATE VIEW < view-name > AS < view-definition >
 - Contrasts to database that exists in physical storage
 - Exists in RAM
 - Is created using query
 - can be used like a relation

Notes:

```
1 CREATE VIEW ParamountMovies AS
2     SELECT title, year
3     FROM Movies
4     WHERE studioName = 'Paramount';
5
```

b)

```
1 CREATE VIEW StudioPres AS
2     SELECT * FROM Movies
3     INNER JOIN Studio ON cert# = presC#;
4
```

c)

```
1 CREATE VIEW ExecutiveStar AS
2     SELECT * FROM MovieExec
3     NATURAL JOIN MovieStar;
4
```

2. Exercise 8.1.2:

a) `SELECT name, gender FROM ExecutiveStar;`
2

b) `SELECT name FROM RichExec WHERE netWorth > 10000000;`
2

c) `SELECT name FROM StudioPres`
2 `NATURAL JOIN ExecutiveStar`
3 `WHERE netWorth > 50000000`
4