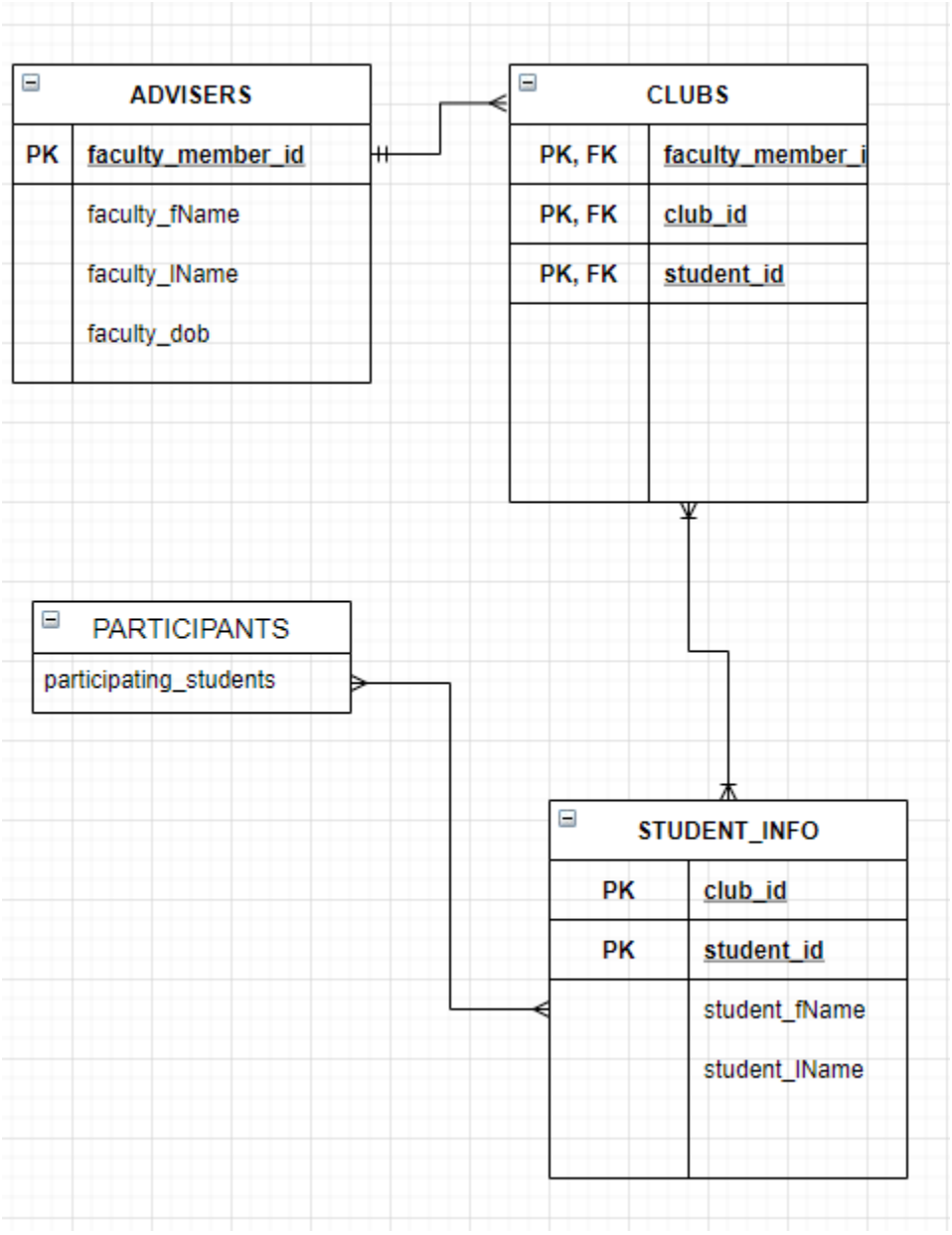
Jericho Perdon
Prof Gentry
Comp 420
3 October 2021

Lab 5

Part 1: ERDing My Heart Out

1)



2) TBA

3) ADVISERS: faculty_member_id
   CLUBS: faculty_member_id, club_id, student_id
   STUDENT_INFO: club_id, student_id

4) TBA

Part 2: From a View to a Query

1)

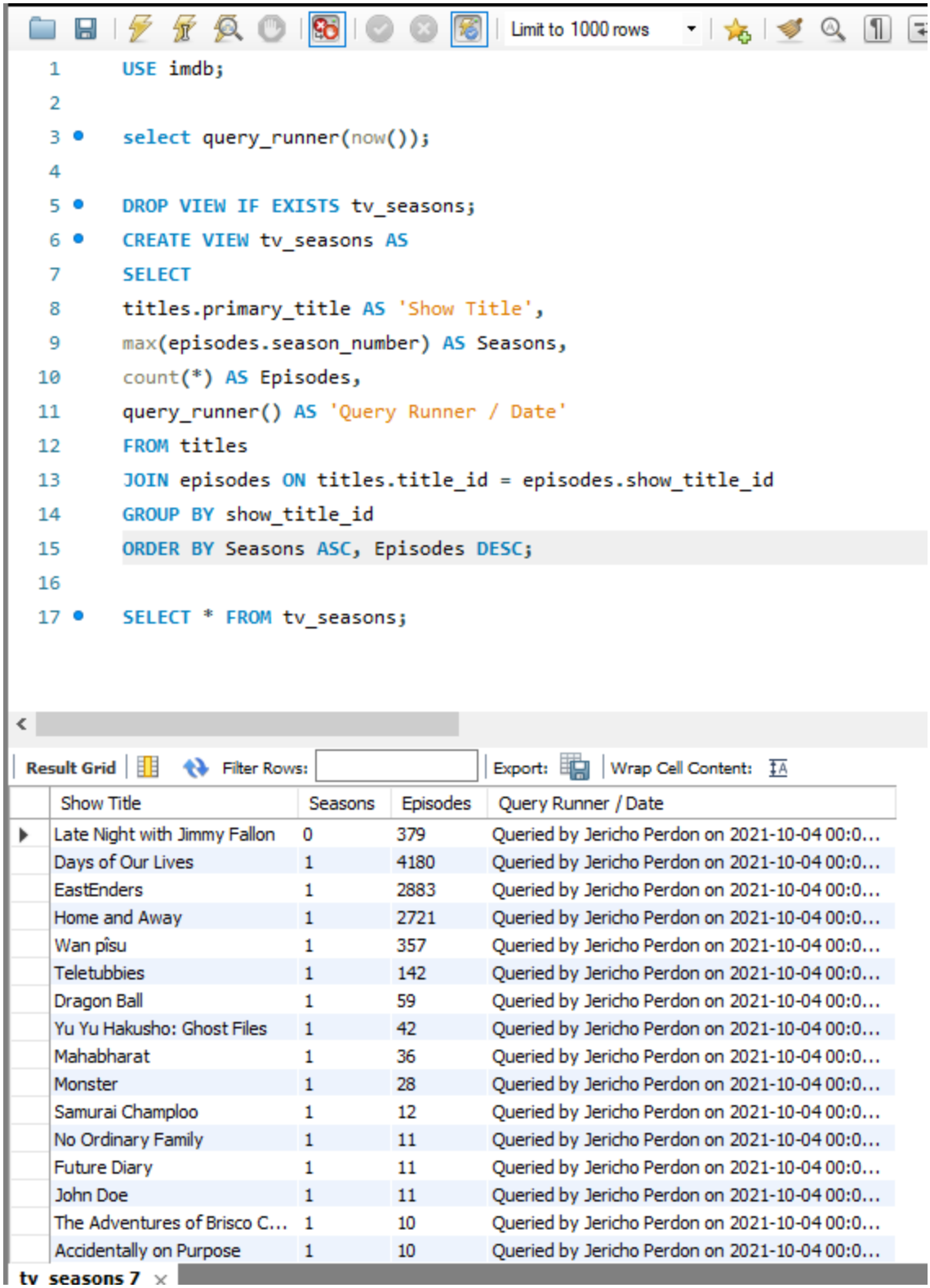
```
1  USE imdb;
2
3  SELECT query_runner(now());
4
5  DROP VIEW IF EXISTS avg_by_performer;
6  CREATE VIEW avg_by_performer AS
7  SELECT
8  people.name AS 'Name',
9  AVG(ratings.rating) AS AverageRating,
10 query_runner() AS 'Query Runner / Date'
11 FROM people
12 JOIN crew ON people.person_id = crew.person_id
13 JOIN titles ON crew.title_id = titles.title_id
14 JOIN ratings ON titles.title_id = ratings.title_id
15 WHERE crew.category = 'actor' OR crew.category = 'actress'
16 GROUP BY people.name
17 ORDER BY AverageRating desc;
18
19 SELECT * FROM avg_by_performer;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Name	AverageRating	Query Runner / Date
Yoshimasa Hosoya	9.899999618530273	Queried by Jericho Perdon on 2021-10-04 00:0…
Kenshô Ono	9.899999618530273	Queried by Jericho Perdon on 2021-10-04 00:0…
Tatsuhisa Suzuki	9.899999618530273	Queried by Jericho Perdon on 2021-10-04 00:0…
Marina Inoue	9.899999618530273	Queried by Jericho Perdon on 2021-10-04 00:0…
Yûto Uemura	9.899999618530273	Queried by Jericho Perdon on 2021-10-04 00:0…
Matthew Needham	9.699999809265137	Queried by Jericho Perdon on 2021-10-04 00:0…
Rob Wiethoff	9.699999809265137	Queried by Jericho Perdon on 2021-10-04 00:0…
Jo Wyatt	9.699999809265137	Queried by Jericho Perdon on 2021-10-04 00:0…
Jaimi Barbakoff	9.699999809265137	Queried by Jericho Perdon on 2021-10-04 00:0…
Robert Sean Leonard	9.650000095367432	Queried by Jericho Perdon on 2021-10-04 00:0…
Jami Reid-Quarrell	9.600000381469727	Queried by Jericho Perdon on 2021-10-04 00:0…
Philip Barantini	9.600000381469727	Queried by Jericho Perdon on 2021-10-04 00:0…
Radiohead	9.600000381469727	Queried by Jericho Perdon on 2021-10-04 00:0…
Jeremy Dooley	9.600000381469727	Queried by Jericho Perdon on 2021-10-04 00:0…
Clive Standen	9.600000381469727	Queried by Jericho Perdon on 2021-10-04 00:0…
Baltasar Breki Samper	9.600000381469727	Queried by Jericho Perdon on 2021-10-04 00:0…

performer 1

2)



```
1   USE imdb;
2
3   select query_runner(now());
4
5   DROP VIEW IF EXISTS tv_seasons;
6   CREATE VIEW tv_seasons AS
7   SELECT
8   titles.primary_title AS 'Show Title',
9   max(episodes.season_number) AS Seasons,
10  count(*) AS Episodes,
11  query_runner() AS 'Query Runner / Date'
12  FROM titles
13  JOIN episodes ON titles.title_id = episodes.show_title_id
14  GROUP BY show_title_id
15  ORDER BY Seasons ASC, Episodes DESC;
16
17  SELECT * FROM tv_seasons;
```

Limit to 1000 rows

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Show Title	Seasons	Episodes	Query Runner / Date
Late Night with Jimmy Fallon	0	379	Queried by Jericho Perdon on 2021-10-04 00:0...
Days of Our Lives	1	4180	Queried by Jericho Perdon on 2021-10-04 00:0...
EastEnders	1	2883	Queried by Jericho Perdon on 2021-10-04 00:0...
Home and Away	1	2721	Queried by Jericho Perdon on 2021-10-04 00:0...
Wan pîsu	1	357	Queried by Jericho Perdon on 2021-10-04 00:0...
Teletubbies	1	142	Queried by Jericho Perdon on 2021-10-04 00:0...
Dragon Ball	1	59	Queried by Jericho Perdon on 2021-10-04 00:0...
Yu Yu Hakusho: Ghost Files	1	42	Queried by Jericho Perdon on 2021-10-04 00:0...
Mahabharat	1	36	Queried by Jericho Perdon on 2021-10-04 00:0...
Monster	1	28	Queried by Jericho Perdon on 2021-10-04 00:0...
Samurai Champloo	1	12	Queried by Jericho Perdon on 2021-10-04 00:0...
No Ordinary Family	1	11	Queried by Jericho Perdon on 2021-10-04 00:0...
Future Diary	1	11	Queried by Jericho Perdon on 2021-10-04 00:0...
John Doe	1	11	Queried by Jericho Perdon on 2021-10-04 00:0...
The Adventures of Brisco C...	1	10	Queried by Jericho Perdon on 2021-10-04 00:0...
Accidentally on Purpose	1	10	Queried by Jericho Perdon on 2021-10-04 00:0...

tv_seasons 7

3) Tba

4) Tba

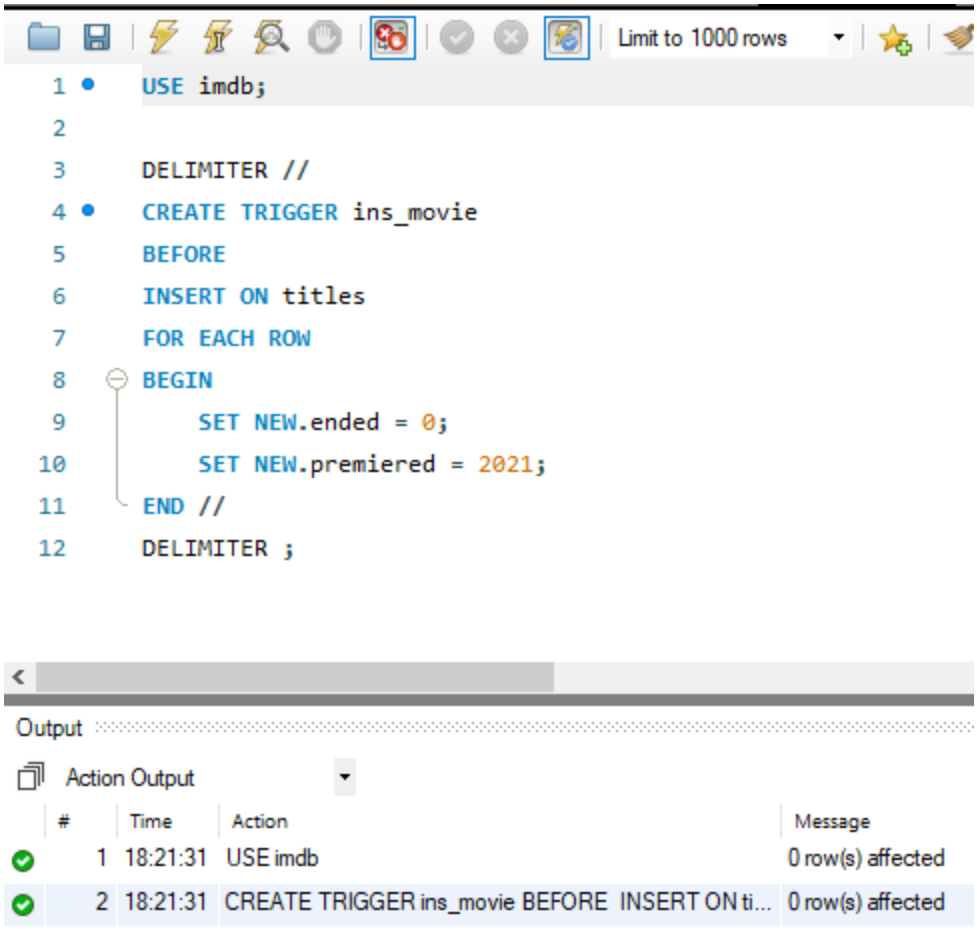
5)
```
SELECT p1.name, category, primary_title, rating from people p1
JOIN crew USING(person_id)
JOIN titles USING(title_id)
JOIN ratings USING(title_id)
WHERE category = 'director'
AND title_id > (SELECT AVG(rating) from people p2
                JOIN CREW USING(person_id)
                JOIN ratings USING(title_id)
                WHERE p1.person_id.name = p2.person_id)

AND title_id IN (SELECT person_id from people
                JOIN crew USING(person_id)
                JOIN titles USING(title_id)
                GROUP BY person_id
                HAVING count(titles_id) > 2

ORDER BY rating DESC;
```

Part 3: Standard Operating Procedures (and Functions!)

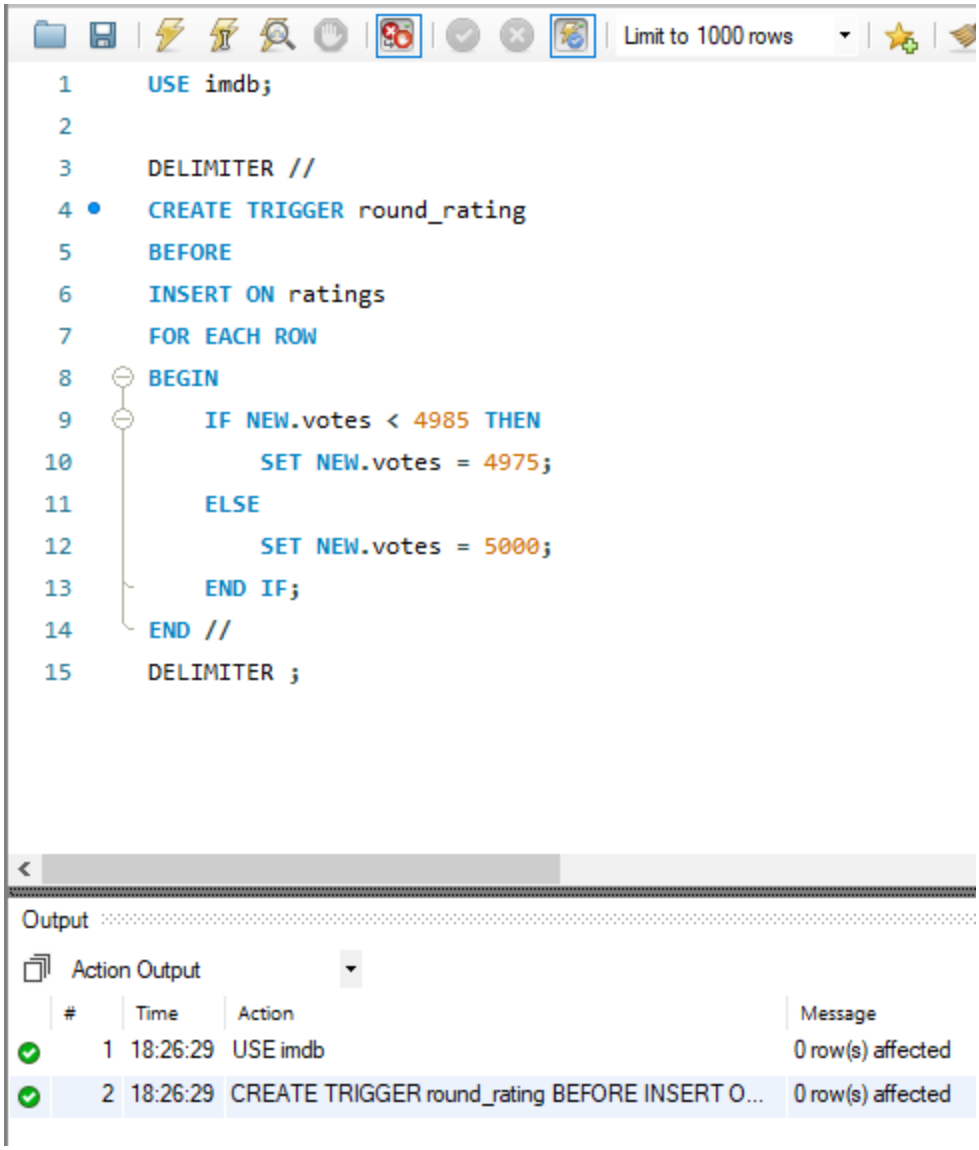
Section 1: Procedural Thinking


Limit to 1000 rows
1 USE imdb;
2
3 DELIMITER //
4 CREATE TRIGGER ins_movie
5 BEFORE
6 INSERT ON titles
7 FOR EACH ROW
8 BEGIN
9 SET NEW.ended = 0;
10 SET NEW.premiered = 2021;
11 END //
12 DELIMITER ;
Output
Action Output
Time Action Message
1 18:21:31 USE imdb 0 row(s) affected
2 18:21:31 CREATE TRIGGER ins_movie BEFORE INSERT ON ti... 0 row(s) affected

1)

2) TBA

3)



```
USE imdb;

DELIMITER //
CREATE TRIGGER round_rating
BEFORE
INSERT ON ratings
FOR EACH ROW
BEGIN
    IF NEW.votes < 4985 THEN
        SET NEW.votes = 4975;
    ELSE
        SET NEW.votes = 5000;
    END IF;
END //
DELIMITER ;
```

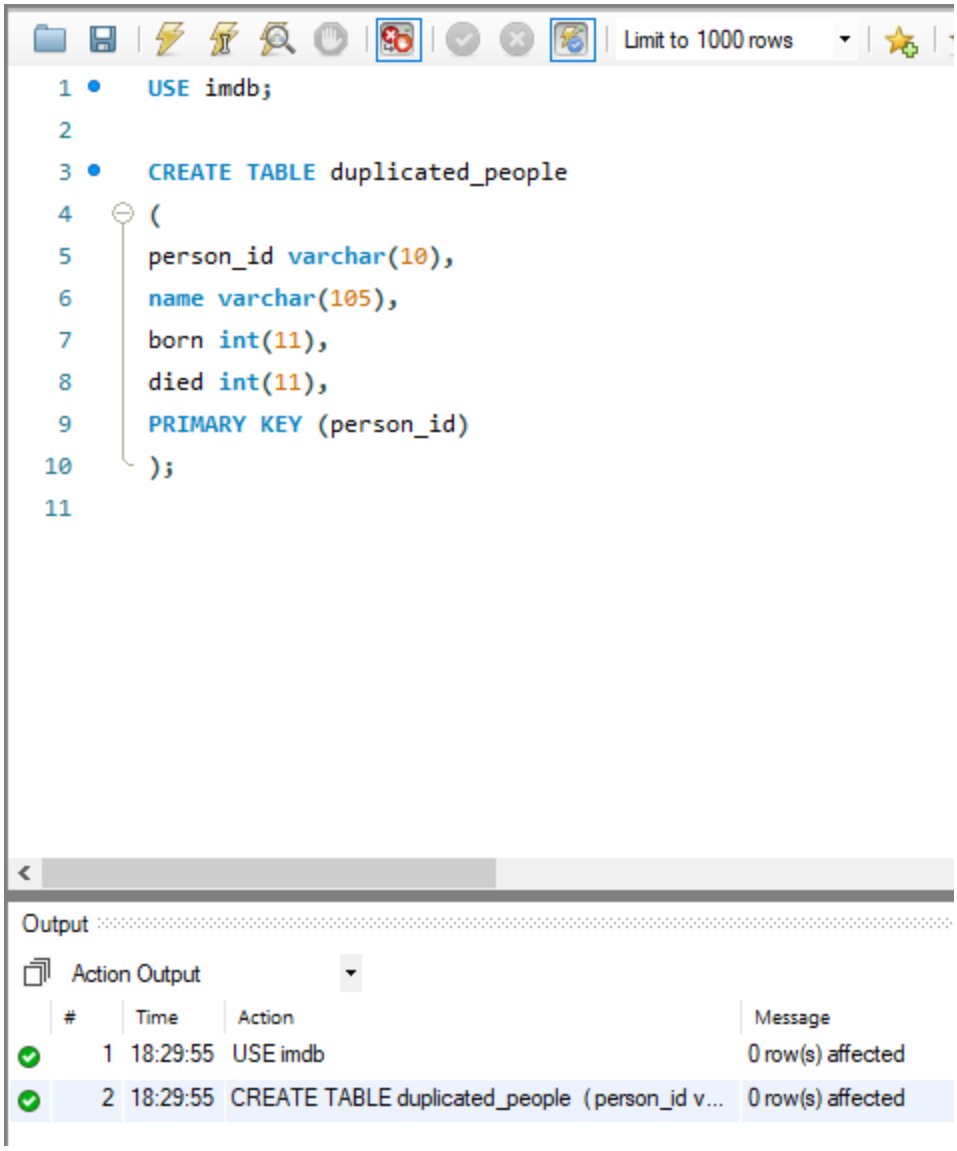
Output

Action Output

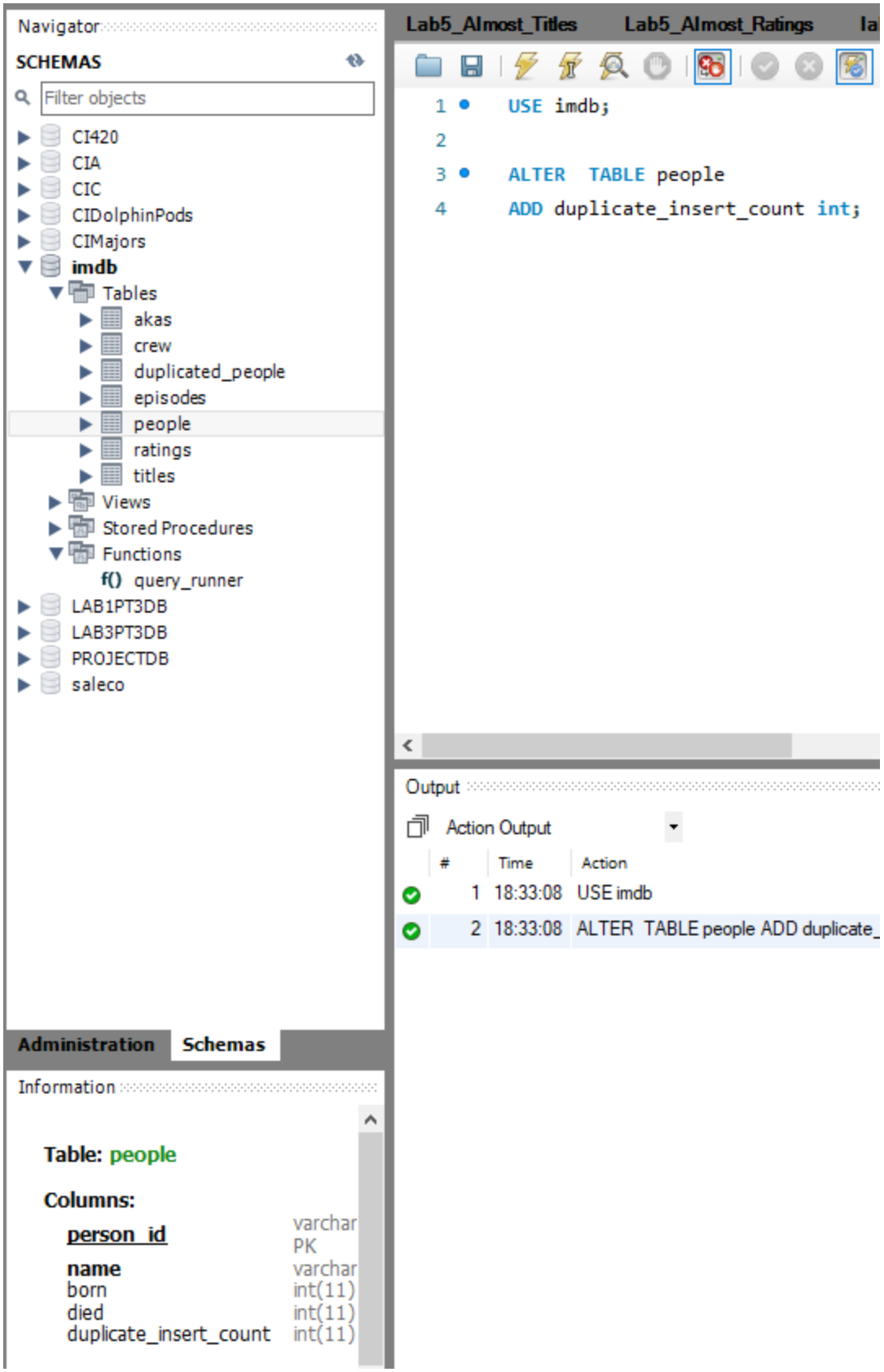
#	Time	Action	Message
1	18:26:29	USE imdb	0 row(s) affected
2	18:26:29	CREATE TRIGGER round_rating BEFORE INSERT O...	0 row(s) affected

4) TBA

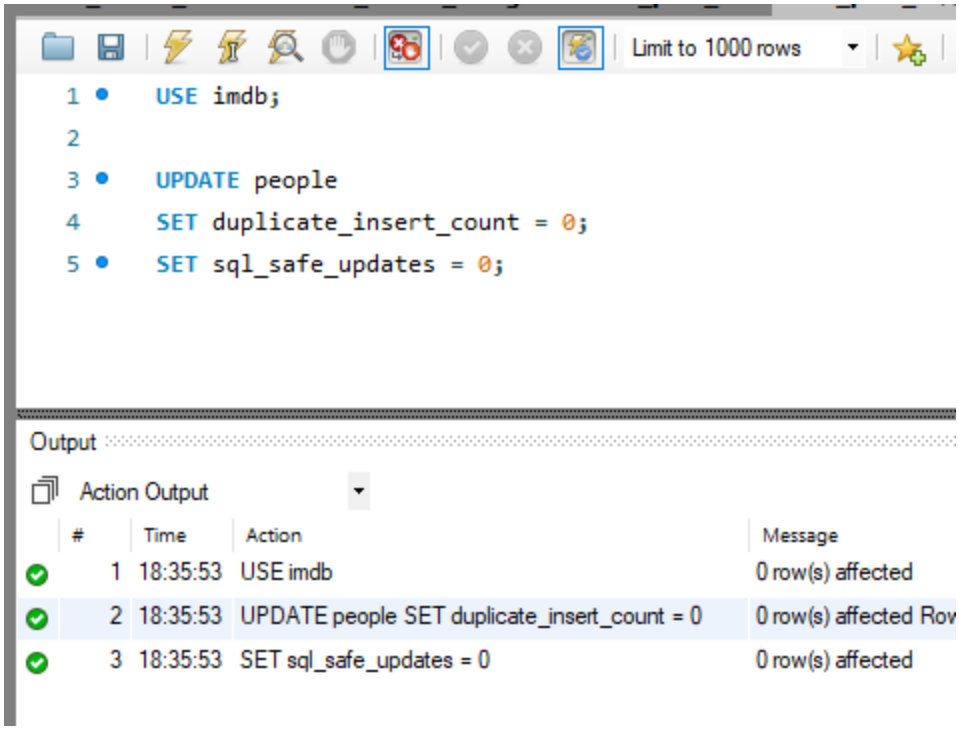
5)


Limit to 1000 rows
1 USE imdb;
2
3 CREATE TABLE duplicated_people
4 (
5 person_id varchar(10),
6 name varchar(105),
7 born int(11),
8 died int(11),
9 PRIMARY KEY (person_id)
10);
11
Output
Action Output
Time Action Message
1 18:29:55 USE imdb 0 row(s) affected
2 18:29:55 CREATE TABLE duplicated_people (person_id v... 0 row(s) affected

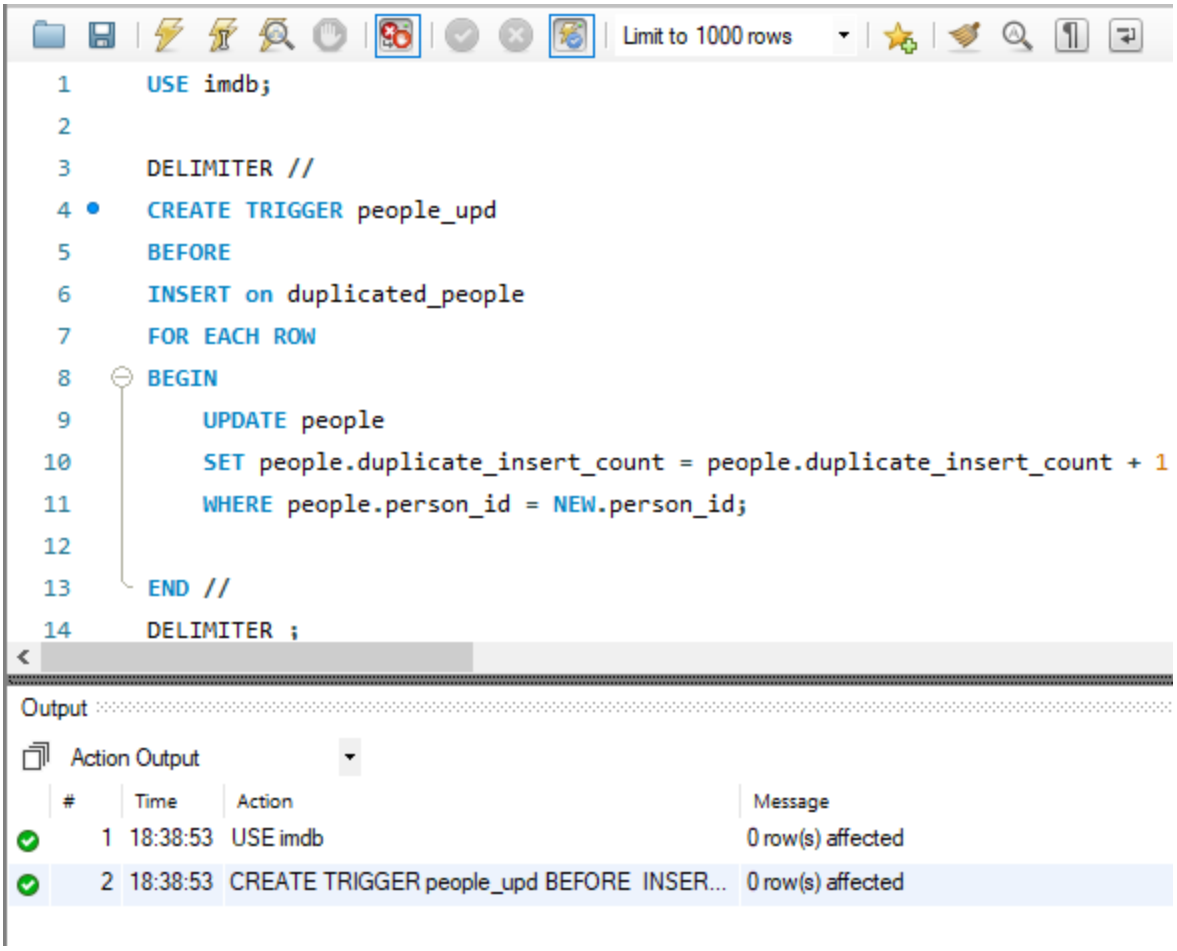
6)


Navigator
SCHEMAS
Filter objects
CI420
CIA
CIC
CIDolphinPods
CIMajors
imdb
Tables
akas
crew
duplicated_people
episodes
people
ratings
titles
Views
Stored Procedures
Functions
f() query_runner
LAB1PT3DB
LAB3PT3DB
PROJECTDB
saleco
Administration
Schemas
Information
Table: people
Columns:
person_id varchar PK
name varchar
born int(11)
died int(11)
duplicate_insert_count int(11)
Lab5_Almost_Titles
Lab5_Almost_Ratings
1 USE imdb;
2
3 ALTER TABLE people
4 ADD duplicate_insert_count int;
Output
Action Output
Time Action
1 18:33:08 USE imdb
2 18:33:08 ALTER TABLE people ADD duplicate_

7)


Limit to 1000 rows
1 USE imdb;
2
3 UPDATE people
4 SET duplicate_insert_count = 0;
5 SET sql_safe_updates = 0;
Output
Action Output
Time Action Message
1 18:35:53 USE imdb 0 row(s) affected
2 18:35:53 UPDATE people SET duplicate_insert_count = 0 0 row(s) affected Rov
3 18:35:53 SET sql_safe_updates = 0 0 row(s) affected

8)



```
1   USE imdb;
2
3   DELIMITER //
4   CREATE TRIGGER people_upd
5   BEFORE
6   INSERT on duplicated_people
7   FOR EACH ROW
8   BEGIN
9       UPDATE people
10      SET people.duplicate_insert_count = people.duplicate_insert_count + 1
11      WHERE people.person_id = NEW.person_id;
12
13  END //
14  DELIMITER ;
```

Limit to 1000 rows

Output

Action Output

#	Time	Action	Message
1	18:38:53	USE imdb	0 row(s) affected
2	18:38:53	CREATE TRIGGER people_upd BEFORE INSER...	0 row(s) affected

9) TBA