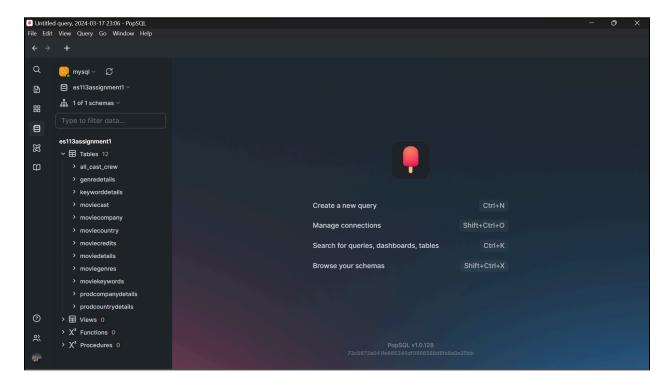


A Foreword

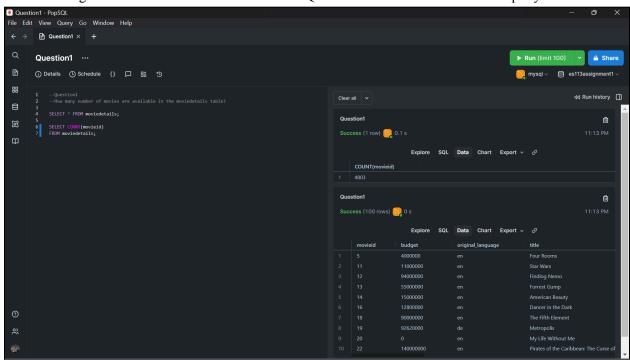


I am using POPSQL to query my database. As far as importing the movie database is concerned, I imported it using the workbench that gets installed while installing MYSQL. Above, It can be seen in the POPSQL window that the database has indeed been imported successfully, and the schema has been named es113assignment1.

Solutions

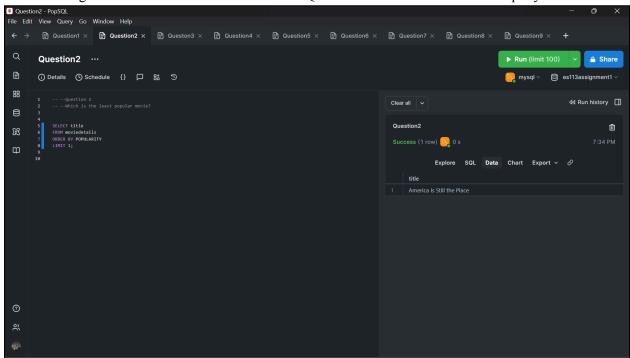
Question 1

The following screenshot shows the solution to the Question as well as the associated query used



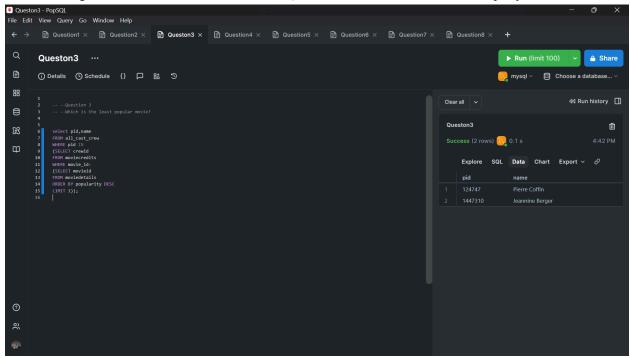
```
SELECT * FROM moviedetails;
SELECT COUNT(movieid)
FROM moviedetails;
```

The following screenshot shows the solution to the Question as well as the associated query used



```
SELECT title
FROM moviedetails
ORDER BY POPULARITY
LIMIT 1;
```

The following screenshot shows the solution to Question as well as the associated query used



```
select pid, name

FROM all_cast_crew

WHERE pid IN

(SELECT crewid

FROM moviecredits

WHERE movie_id=

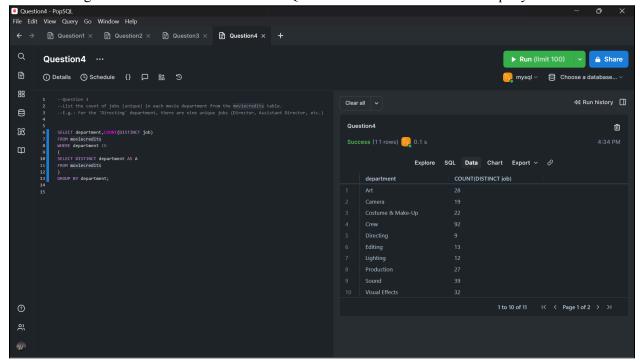
(SELECT movieid

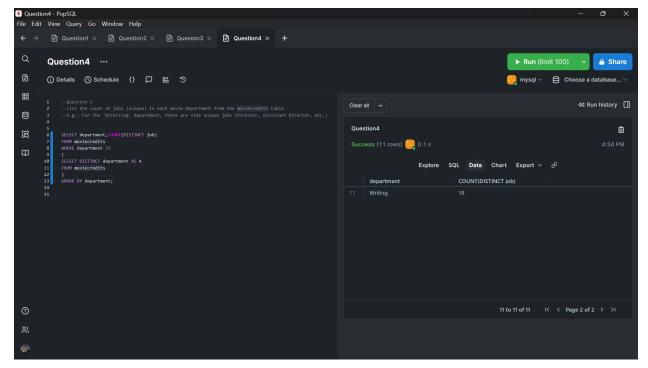
FROM moviedetails

ORDER BY popularity DESC

LIMIT 1));
```

The following screenshot shows the solution to Question as well as the associated query used

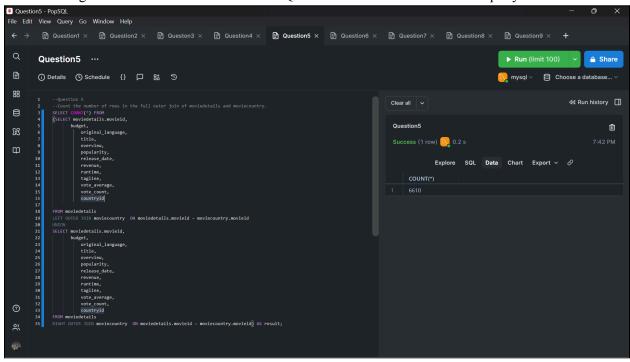




```
SELECT department,COUNT(DISTINCT job)
FROM moviecredits
WHERE department IN
(
SELECT DISTINCT department AS A
```

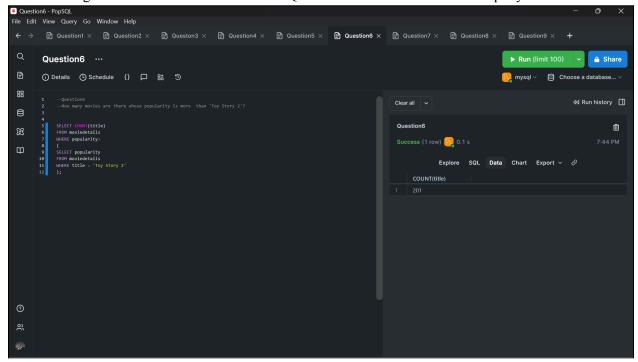
```
FROM moviecredits
)
GROUP BY department;
```

The following screenshot shows the solution to Question as well as the associated query used



```
runtime,
    tagline,
    tote_average,
    vote_count,
    countryid
FROM moviedetails
RIGHT OUTER JOIN moviecountry ON moviedetails.movieid = moviecountry.movieid) AS result;
```

The following screenshot shows the solution to Question as well as the associated query used



```
SELECT COUNT(title)

FROM moviedetails

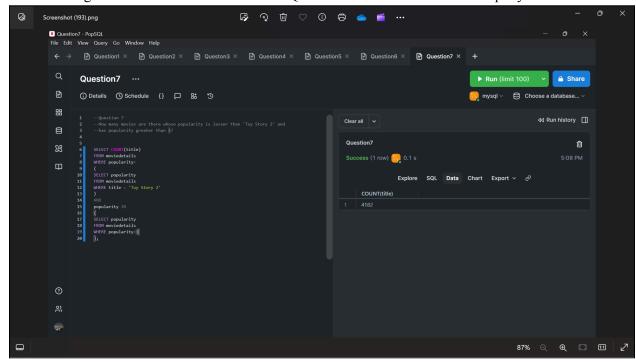
WHERE popularity>
(

SELECT popularity

FROM moviedetails

WHERE title = 'Toy Story 2'
);
```

The following screenshot shows the solution to Question as well as the associated query used



```
SELECT COUNT(title)

FROM moviedetails

WHERE popularity<
(
SELECT popularity

FROM moviedetails

WHERE title = 'Toy Story 2'
)

AND

popularity IN
(
SELECT popularity

FROM moviedetails

WHERE popularity

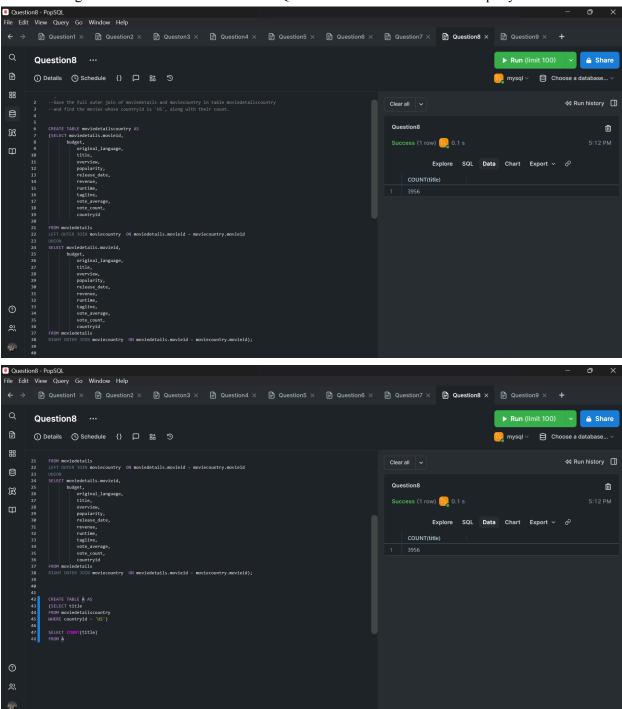
FROM moviedetails

WHERE popularity

FROM moviedetails

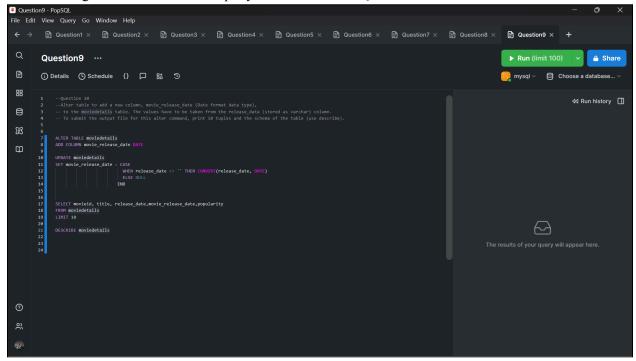
WHERE popularity>1
```

The following screenshot shows the solution to Question as well as the associated query used

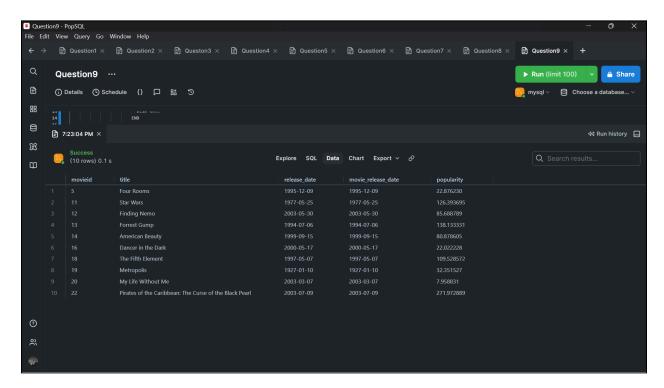


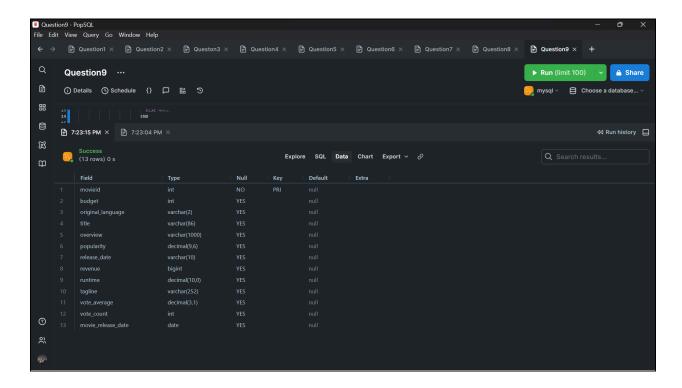
```
CREATE TABLE moviedetailscountry AS
(SELECT moviedetails.movieid,
          popularity,
FROM moviedetails
UNION
SELECT moviedetails.movieid,
FROM moviedetails
CREATE TABLE A AS
(SELECT title
FROM moviedetailscountry
WHERE countryid = 'US')
SELECT COUNT(title)
FROM A
```

The following screenshot shows the query used to solve the Question



An example shown below of first 10 instances from the table shows clearly that the data from the column release_date did indeed get mapped to movie_release_data, along with data type conversion from VARCHAR to DATE as shown in the trailing screenshot





```
ALTER TABLE moviedetails

ADD COLUMN movie_release_date DATE

UPDATE moviedetails

SET movie_release_date = CASE

WHEN release_date <> '' THEN CONVERT(release_date, DATE)

ELSE NULL

END

SELECT movieid, title, release_date, movie_release_date, popularity

FROM moviedetails

LIMIT 10

DESCRIBE moviedetails
```