Final code save 3

3.6a film

SELECT MIN(rental\_rate) As min\_rent,

MAX(rental\_rate) AS max\_rent,

AVG(rental\_rate) AS avg\_rent,

MIN(release\_year) AS min\_rent,

MAX(release\_year) AS max\_rent,

AVG(release\_year) AS avg\_rent,

MIN(rental\_duration) AS min\_rent,

MAX(rental\_duration) AS max\_rent,

AVG(rental\_duration) AS avg\_rent,

MIN(length) AS min\_rent,

MAX(length) AS max\_rent,

AVG(length) AS avg\_rent,

MIN(replacement\_cost) AS min\_rent,

MAX(replacement\_cost) AS max\_rent,

AVG(replacement\_cost) AS avg\_rent

FROM film;

SELECT mode()

WITHIN GROUP (ORDER BY title) AS mode\_title,

mode() WITHIN GROUP (ORDER BY film\_id),

mode() WITHIN GROUP (ORDER BY description) AS mode\_description,

mode() WITHIN GROUP (ORDER BY language\_id) AS mode\_language\_id,

mode() WITHIN GROUP (ORDER BY rating) AS modal\_value

FROM film

SELECT mode()

WITHIN GROUP (ORDER BY customer\_id) AS mode\_customer\_id,

mode() WITHIN GROUP (ORDER BY first\_name) AS mode\_first\_name,

mode() WITHIN GROUP (ORDER BY last\_name) AS mode\_last\_name,

mode() WITHIN GROUP (ORDER BY email) AS mode\_email,

mode() WITHIN GROUP (ORDER BY address\_id) AS mode\_address

FROM customer

3.7 1-4

SELECT D. country,

COUNT(customer\_id) AS customer\_count

FROM customer A

INNER JOIN address B on A. address\_id = B. address\_id

INNER JOIN city C ON B. city\_id = B. city\_id

INNER JOIN country D on C. country\_id = D. country\_id

GROUP BY country

ORDER BY customer\_count DESC

LIMIT 10;

SELECT C. city AS top\_cities, D. country,

COUNT(customer\_id) AS customer\_count

FROM customer A

INNER JOIN address B ON A. address\_id = B. address\_id

INNER JOIN city C ON B. city\_id = C. city\_id

INNER JOIN country D on C. country\_id = D. country\_id

WHERE country IN ('India', 'China', 'United States', 'Japan',

'Mexico', 'Brazil', 'Russian Federation',

'Phillipines', 'Turkey', 'Indonesia')

GROUP BY C. city, D. country

ORDER BY customer\_count DESC

LIMIT 10;

SELECT A. customer\_id, B. first\_name, B. last\_name, D. city, E. country,

SUM (amount) AS highest\_amount\_paid

FROM payment A

INNER JOIN customer B ON A. customer\_id = B. customer\_id

INNER JOIN address C ON B. address\_id = C. address\_id

INNER JOIN city D ON C. city\_id = D. city\_id

INNER JOIN country E ON D. country\_id = E. country\_id

WHERE country IN ('India', 'China', 'United States', 'Japan',

'Mexico', 'Brazil', 'Russian Federation',

'Phillipines', 'Turkey', 'Indonesia')

AND D. city IN ('Aurora', 'Pingxiang', 'Sivas', 'Dhule (Dhulia)',

'Kurashiki', 'Xintai', 'Adoni', 'Celaya', 'Nezahualcyotl', 'Atlixco')

GROUP BY A. customer\_id, B. first\_name, B. last\_name, D. city, E.country

ORDER BY highest\_amount\_paid DESC

LIMIT 10;