

Assignment #6

1. SELECT title FROM movie m WHERE m.movieId IN
(SELECT v.movieId FROM rental r JOIN video v ON r.videoId=v.videoId
UNION ALL SELECT v. movieId FROM reservation r JOIN video v ON
r.videoId=v.videoId);

title	
▶ The Thirty-Nine Steps	
Annie Hall	
Lady and the Tramp	
Animal House	
Elizabeth	
Duck Soup	

2. SELECT title, COUNT(p.videoId) AS "# of times rented"
FROM previousrental p JOIN video v ON p.videoId=v.videoId
JOIN movie m ON v.movieId=m.movieId GROUP BY p.videoId
HAVING COUNT(p.videoId)>=2;

title	# of times rented	
The Thirty-Nine Steps	2	
Annie Hall	3	

3. SELECT t.storeId, COUNT(DISTINCT(w.ssn)) AS "# of salaried employees",
IFNULL(SUM(s.weeklyPayRate),0) AS "total weekly pay rate"
FROM salariedemployee s JOIN employee e USING(ssn)
JOIN worksin w USING(ssn)
RIGHT JOIN store t USING(storeId)
GROUP BY t.storeId;

storeId	# of salaried employees	total weekly pay rate	
▶ 3	2	2700.0000	
5	2	2700.0000	
7	0	0.0000	

4. SELECT State, COUNT(DISTINCT(m.movieId)) AS "# of movies rented in
state" FROM store s JOIN video v ON s.storeId=v.storeId
JOIN previousrental p ON p.videoId=v.videoId
JOIN movie m ON m.movieId = v.movieId

GROUP BY State;

State	# of movies rented in state
▶ FL	4

5. SELECT s.supplierId, s.street, GROUP_CONCAT(m.title) AS "movies supplied"
 FROM supplier s JOIN purchaseorder p ON s.supplierId=p.supplierId
 JOIN purchaseorderdetail d ON d.purchaseOrderId=p.purchaseOrderId
 JOIN movie m ON m.movieId=d.movieId
 GROUP BY s.supplierId;

supplierId	street	movies supplied
▶ 101101	101 Main	Elizabeth,Duck Soup

6. SELECT DISTINCT(m.title), AVG(DATEDIFF(p.dateReturned,p.dateRented))
 AS "average rental duration (days)"
 FROM movie m JOIN video v ON v.movieId=m.movieId
 JOIN previousrental p ON p.videoId=v.videoId
 GROUP BY m.title;

title	average rental duration (days)
▶ Animal House	10.0000
Annie Hall	-0.5000
Duck Soup	3.0000
The Thirty-Nine Steps	1.5000

7. SELECT t.storeId, COUNT(DISTINCT(w.ssn)) AS "# of salaried employees",
 IFNULL(SUM(s.weeklyPayRate),0) AS "total weekly pay rate"
 FROM salariedemployee s JOIN employee e USING(ssn)
 JOIN worksin w USING(ssn)
 RIGHT JOIN store t USING(storeId)
 GROUP BY t.storeId;

storeId	street	amount
▶ 3	2010 Liberty Rd.	27.8900
5	1004 N. Monroe St.	26.8800