

1. Find out the number of documentaries with deleted scenes.

```
mysql> SELECT COUNT(*) AS num_of_films
FROM film, film_list
WHERE category='Documentary'
AND special_features LIKE '%Deleted Scenes%'
AND film_id=FID;
```

```
+-----+
| num_of_films |
+-----+
|          34 |
+-----+
```

1 row in set (0.00 sec)

```
// Without using film list
mysql> SELECT COUNT(*) AS num_of_films
FROM film, category, film_category
WHERE special_features LIKE '%Deleted Scenes%'
AND name='Documentary'
AND film.film_id=film_category.film_id
AND film_category.category_id=category.category_id;
```

```
+-----+
| num_of_films |
+-----+
|          34 |
+-----+
```

1 row in set (0.00 sec)

2. Find out the number of sci-fi movies rented by the store managed by Jon Stephens.

```
// Total number of times sci-fi movies rented by jon (includes all)
mysql> SELECT COUNT(category) AS sci-fi_rented_by_jon
FROM film_list, staff_list, rental, inventory
WHERE rental.inventory_id=inventory.inventory_id
AND film_id=FID
AND rental.staff_id=staff_list.ID
AND staff_list.name='Jon Stephens'
AND film_list.category='Sci-Fi';
```

```
+-----+
| sci-fi_rented_by_jon |
+-----+
|                548 |
+-----+
```

1 row in set (0.00 sec)

// Number of sci fi movies rented by join grouped by title

```
mysql> SELECT COUNT(title) AS titles_rented_by_jon
```

```
FROM
```

```
(SELECT title
```

```
FROM film_list, staff_list, rental, inventory
```

```
WHERE rental.inventory_id=inventory.inventory_id
```

```
AND film_id=FID
```

```
AND rental.staff_id=staff_list.ID
```

```
AND staff_list.name='Jon Stephens'
```

```
AND film_list.category='Sci-Fi'
```

```
GROUP BY title)
```

```
AS titles_jon;
```

```
+-----+
```

```
| count(title) |
```

```
+-----+
```

```
|      59 |
```

```
+-----+
```

1 row in set (0.00 sec)

3. Find out the total sales from Animation movies.

```
mysql> SELECT *
```

```
FROM sales_by_film_category
```

```
WHERE category='Animation';
```

```
+-----+-----+
```

```
| category | total_sales |
```

```
+-----+-----+
```

```
| Animation | 4656.30 |
```

```
+-----+-----+
```

1 row in set (0.01 sec)

4. Find out the top 3 rented category of movies by "PATRICIA JOHNSON".

```
mysql> SELECT category, count(category) AS amount
```

```
FROM film_list, rental, inventory, customer_list
```

```
WHERE rental.inventory_id=inventory.inventory_id AND film_id=FID
```

```
AND rental.customer_id=customer_list.ID
```

```
AND customer_list.name='PATRICIA JOHNSON'
```

```
GROUP BY category
```

ORDER BY amount DESC

LIMIT 3;

+-----+-----+

| category | amount |

+-----+-----+

| Sports | 5 |

| Classics | 4 |

| Animation | 3 |

+-----+-----+

3 rows in set (0.06 sec)

5. Find out the number of R rated movies rented by "SUSAN WILSON".

mysql> SELECT count(\*) AS r\_films\_by\_susan

FROM film\_list, rental, inventory, customer\_list

WHERE rental.inventory\_id=inventory.inventory\_id AND film\_id=FID

AND rental.customer\_id=customer\_list.ID

AND customer\_list.name='SUSAN WILSON'

AND rating='R';

+-----+

| r\_films\_by\_susan |

+-----+

| 3 |

+-----+

1 row in set (0.03 sec)