Solutions :

1. select count(\*) as number\_of\_doc from film f

join film\_category fc on f.film\_id = fc.film\_id

join category c on fc.category\_id = c.category\_id

where c.name = "Documentary" and f.special\_features like '%Deleted Scenes%';

2. select count(\*) as number\_of\_movies from film\_category fc

join category c on fc.category\_id = c.category\_id

join inventory i on i.film\_id = fc.film\_id

join rental r on r.inventory\_id = i.inventory\_id

join staff st on st.staff\_id = r.staff\_id

where st.first\_name = "Jon" and st.last\_name="Stephens" and c.name = "Sci-Fi";

3. select total\_sales from sales\_by\_film\_category where category='Animation';

4. select c.name from category c

join film\_category fc on fc.category\_id = c.category\_id

join inventory i on i.film\_id = fc.film\_id

join rental r on r.inventory\_id = i.inventory\_id

join customer cst on cst.customer\_id = r.customer\_id

where cst.first\_name = "PATRICIA" and cst.last\_name = "JOHNSON"

group by c.name order by count(c.name) desc limit 3;

3. select count(\*) as number\_of\_movies from film f

join inventory i on i.film\_id = f.film\_id

join rental r on r.inventory\_id = i.inventory\_id

join customer cst on cst.customer\_id = r.customer\_id

where cst.first\_name = 'SUSAN' and cst.last\_name = 'WILSON' and f.rating = 'R';