ex2:

1)

```sql
1   with film_copies as (
2       select inventory.film_id, count(inventory.film_id)
3       from inventory
4       group by inventory.film_id
5   ),
6   copies_taken as (
7       select rental.inventory_id, count(rental.rental_id)
8       from rental
9       where rental.return_date is null
10      group by rental.rental_id
11  )
12  select film.film_id, film.title
13  from film
14  full join film_category on film.film_id=film_category.film_id
15  full join category on film_category.category_id=category.category_id
16  where (film.rating='R' or film.rating='PG-13')
17  and (category.name='Horror' or category.name='Sci-Fi')
18  and film.title not in (
19      select film.title
20      from film, film_copies, copies_taken
21      inner join inventory on film.film_id=inventory.film_id
22      inner join rental on rental.inventory_id=inventory.inventory_id
23      where film.film_id=film_copies.film_id and film_copies.count>copies_taken.count
24  )
25  order by film.film_id
```

Messages   Notifications   Explain   Data Output

	film_id [PK] integer	title character varying (255)
1	171	Commandments Express
2	195	Crowds Telemark
3	909	Treasure Command

2)

```sql
1   with stores as (
2   select store.store_id, city.city, sum(payment.amount) as payments
3     from payment
4     join staff on payment.staff_id=staff.staff_id
5     join store on staff.store_id=store.store_id
6     join address on address.address_id=store.address_id
7     join city on city.city_id=address.city_id
8     where (
9         select max(payment.payment_date)
10        from payment
11    )-payment.payment_date<interval'1 month'
12    group by store.store_id, city.city
13  )
14  select store_id, city, max(payments) from stores
15  group by store_id, city
16  order by store_id
```

Data Output   Explain   Messages   Notifications

store_id integer	city character varying (50)	max numeric
1	Lethbridge	7170.72
2	Woodridge	7428.46