echo "use sakila; select first\_name, last\_name from actor" | mysql -u root -p > hw10.txt

use sakila;

DESCRIBE actor;

1a) select first\_name, last\_name from actor;

1b) select concat(first\_name," " ,last\_name) as 'Actor Name' from actor;

2a) select actor\_id, first\_name, last\_name from actor where first\_name= 'Joe';

2b) select actor\_id, first\_name, last\_name from actor where last\_name like '%GEN%';

2c) select actor\_id, last\_name, first\_name from actor where last\_name like '%LI%' order by last\_name, first\_name asc;

2d) select country\_id, country from country where country in ('Afghanistan', 'Bangladesh', 'China');

3a) alter table actor add column middle\_name varchar(50) after first\_name;

3b) alter table actor modify middle\_name blob;

3c) alter table actor drop column middle\_name;

4a) select last\_name,count(\*) from actor GROUP BY last\_name;

4b) select last\_name,count(\*) from actor GROUP BY last\_name having count(\*)>=2;

4c) UPDATE actor SET first\_name='HARPO' WHERE first\_name='GROUCHO';

4d) UPDATE actor SET first\_name='MUCHO GROUCHO' WHERE first\_name='HARPO';

5a) show create table address;

6a) select first\_name, last\_name, address from address inner join staff on address.address\_id = staff.address\_id;

6b) select sum(payment.amount) as total\_amount,first\_name, last\_name from payment inner join staff on staff.staff\_id=payment.staff\_id group by payment.amount;

6c) select count(actor\_id), film.title from film\_actor inner join film on film\_actor.film\_id = film.film\_id group by actor\_id;

6d) select count(title) from film inner join inventory on film.film\_id = inventory.film\_id group by title having film.title ='Hunchback Impossible';

6e) select first\_name, amount from (select sum(amount) as amount, first\_name, min(last\_name) as last\_name from (select amount, first\_name, last\_name from payment inner join customer on payment.customer\_id= customer.customer\_id) as T group by first\_name order by last\_name asc) as P;

7a) select title from film where title in(select title from film where title like 'K%' OR title like 'Q%') AND language\_id=1;

7b) select actors from film\_list where actors in (select actors from film\_list where title= 'Alone Trip');

7c) select first\_name, last\_name, email from customer join customer\_list on customer\_id = ID where country= 'Canada';

7d) select title from film\_list where category='Family';

7e) select count(\*) as cnt, title from inventory as i join rental as r join film\_text as f on i.inventory\_id=r.inventory\_id AND f.film\_id=i.film\_id group by title order by cnt DESC;

7f) select store\_id, sum(amount) as TotalBusiness from ( select store\_id, amount from store left join payment on store.manager\_staff\_id = payment.staff\_id) as T group by store\_id;

7g) select \* from storeLocation;

7h) select genre, sum(amount) as amount from

(select amount, name as genre from

(select amount, category\_id from

(select amount, film\_id from

(select amount, inventory\_id from payment

left join rental on payment.rental\_id = rental.rental\_id) as T1

left join inventory on T1.inventory\_id = inventory.inventory\_id ) as T2

left join film\_category on T2.film\_id = film\_category.film\_id) as T3

left join category on T3.category\_id = category.category\_id) as T4

group by genre

order by amount desc limit 5;

8a) create view top\_five\_genres AS select store\_id, city, country from store as s join staff\_list as sl on sl.SID = s.store\_id ;

8b) select \* from top\_five\_genres ;

8c) drop view top\_five\_genres;