## **Exercises 1**

1. Display the first and last name of each actor in a single column in upper case letters in alphabetic order. Name the column Actor Name.

```
CAT(first_name," ",last_name)) Actor_name from actor order by Actor_name;
Actor name
ADAM GRANT
ADAM HOPPER
AL GARLAND
ALAN DREYFUSS
ALBERT JOHANSSON
ALBERT MOLTE
ALEC MAYNE
ANGELA HUDSON
ANGELA MITHERSPOON
AWGELINA ASTAIRE
ANNE CRONYN
AUDREY BAILEY
AUDREY OLIVIER
BELA MALKEN
BEN HARRIS
BURT DUKAKIS
BURT POSEY
BURT TEMPLE
CAMERON STREEP
CAMERON MRAY
CAMERON ZELLWEGER
CARMEN HUNT
CARY MCCONAUGHEY
CATE HARRIS
 CATE MOQUEEN
CHARLIZE DENCH
CHRIS BRIDGES
CHRIS DEPP
CHRESTIAN AVROYD
CHRISTIAN GABLE
```

2. Find all actors whose last name contain the letters GEN:

```
mysql> select * from actor WHERE UPPER(last_name)    LIKE '%GEN%';
 actor id | first name |
                          last name | last update
                                       2006-02-15 04:34:33
        14
             VIVIEN
                          BERGEN
       41
             JODIE
                          DEGENERES
                                       2006-02-15 04:34:33
       107
            GINA
                          DEGENERES
                                       2006-02-15 04:34:33
       166 | NICK
                          DEGENERES
                                       2006-02-15 04:34:33
 rows in set (0.00 sec)
```

3. Using IN, display the country\_id and country columns of the following countries: Afghanistan, Bangladesh, and China:

```
mysql> SELECT country_id,country FROM country WHERE country IN ('Afghanistan','Bangladesh','China');

| country_id | country |

| 1 | Afghanistan |

| 12 | Bangladesh |

| 23 | China |

3 rows in set (0.00 sec)
```

4. List the last names of actors, as well as how many actors have that last name.

```
SELECT last_name,COUNT(*) Actor_count FROM actor GROUP BY last_name ORDER BY last_name,Actor_count;
last_name
             Actor_count
BACALL
BAILEY
BALE
BALL
BARRYMORE
BASINGER
BENING
BERGMAN
BRIDGE5
BULLOCK
CARREY
CHAPLIN
CHASE
CLOSE
COSTNER
CRAMFORD
CROWE
```

5. List last names of actors and the number of actors who have that last name, but only for names that are shared by at least two actors

```
### Actor_count | Actor_count
```

6. The actor HARPO WILLIAMS was accidentally entered in the actor table as GROUCHO WILLIAMS. Write a query to fix the record.

```
mysql> select * from actor where last_name='WILLIAMS' AND first_name='HARPO';
| actor_id | first_name | last_name | last_update |
| 172 | HARPO | WILLIAMS | 2023-06-09 15:50:47 |
| row in set (0.00 sec)
| mysql> UPDATE actor SET first_name='GROUCHO', last_name='WILLIAMS' where actor_id=172;
| Query OK, 1 row affected (0.08 sec)
| Rows matched: 1 Changed: 1 Warnings: 0
| mysql> select * from actor where last_name='WILLIAMS' AND first_name='GROUCHO';
| actor_id | first_name | last_name | last_update |
| 172 | GROUCHO | WILLIAMS | 2023-06-09 15:51:43 |
| 1 row in set (0.00 sec)
| mysql>
```

7. Use JOIN to display the first and last names, as well as the address, of each staff member. Use the tables staff and address:

8. List each film and the number of actors who are listed for that film. Use tables film\_actor and film. Use inner join.

9. How many copies of the film Hunchback Impossible exist in the inventory system?

10. Using the tables payment and customer and the JOIN command, list the total paid by each customer. List the customers alphabetically by last name

11. The music of Queen and Kris Kristofferson have seen an unlikely resurgence. As an unintended consequence, films starting with the letters  $\kappa$  and  $\varrho$  have also soared in popularity. Use subqueries to display the titles of movies starting with the letters  $\kappa$  and  $\varrho$  whose language is English.

```
mysql> select TITLE from film where (title like 'Q%') OR (title like 'K%');
 TITLE
 KANE EXORCIST
 KARATE MOON
 KENTUCKIAN GIANT
 KICK SAVANNAH
 KILL BROTHERHOOD
 KILLER INNOCENT
 KING EVOLUTION
 KISS GLORY
 KISSING DOLLS
 KNOCK WARLOCK
 KRAMER CHOCOLATE
 KWAI HOMEWARD
 QUEEN LUKE
 QUEST MUSSOLINI
 QUILLS BULL
15 rows in set (0.00 sec)
```

12. Use subqueries to display all actors who appear in the film Alone Trip.

13. You want to run an email marketing campaign in Canada, for which you will need the names and email addresses of all Canadian customers. Use joins to retrieve this information.

14. Sales have been lagging among young families, and you wish to target all family movies for a promotion. Identify all movies categorised as family films.

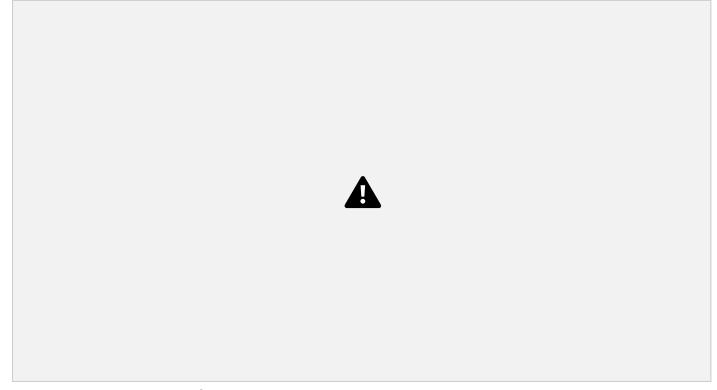
```
mysql> SELECT title, category
   -> FROM film_list
    -> WHERE category = "Family";
 title
                          category
 AFRICAN EGG
                           Family
 APACHE DIVINE
                           Family
 ATLANTIS CAUSE
                           Family
 BAKED CLEOPATRA
                           Family
 BANG KWAI
                           Family
 BEDAZZLED MARRIED
                           Family
 BILKO ANONYMOUS
                           Family
 BLANKET BEVERLY
                           Family
 BLOOD ARGONAUTS
                           Family
 BLUES INSTINCT
                           Family
 BRAVEHEART HUMAN
                           Family
 CHASING FIGHT
                           Family
 CHISUM BEHAVIOR
                           Family
 CHOCOLAT HARRY
                           Family
 CONFUSED CANDLES
                           Family
 CONVERSATION DOWNHILL
                           Family
 DATE SPEED
                           Family
 DINOSAUR SECRETARY
                           Family
 DUMBO LUST
                           Family
 EARRING INSTINCT
                           Family
 EFFECT GLADIATOR
                           Family
 FEUD FROGMEN
                           Family
 FINDING ANACONDA
                           Family
 GABLES METROPOLIS
                           Family
 GANDHI KWAI
                           Family
 GLADIATOR WESTWARD
                           Family
 GREASE YOUTH
                           Family
 HALF OUTFIELD
                           Family
 HOCUS FRIDA
                           Family
 HOMICIDE PEACH
                           Family
 HOUSE DYNAMITE
                           Family
 HUNTING MUSKETEERS
                           Family
 INDIAN LOVE
                           Family
```

15. Create a Stored procedure to get the count of films in the input category (IN category\_name, OUT count)

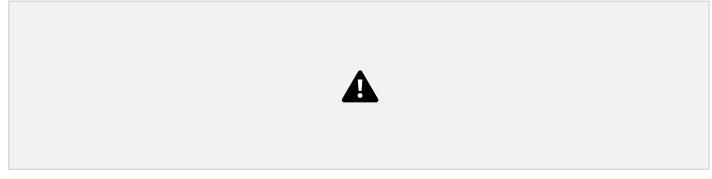
```
mysql> CMERIC PROCESSES destilencently(stagery)

-> -> DE category_name VARCAMA(100),
-> -> DE category_name VARCAMA(100),
-> -> BEGIN
-> BEG
```

16. Display the most frequently rented movies in descending order



17. Write a query to display for each store its store ID, city, and country.



18. List the genres and its gross revenue.



19.Create a View for the above query(18)

