

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.

Command Prompt - mysql -u root -p

```
mysql> SELECT CONCAT(a.first_name,' ',a.last_name) as 'Actor Name' from actor as a ORDER BY first_name ASC ;
```

Actor Name
ADAM GRANT
ADAM HOPPER
AL GARLAND
ALAN DREYFUSS
ALBERT NOLTE
ALBERT JOHANSSON
ALEC WAYNE
ANGELA HUDSON
ANGELA WITHERSPOON
ANGELINA ASTAIRE
ANNE CRONYN
AUDREY BAILEY
AUDREY OLIVIER
BELA WALKEN
BEN HARRIS
BEN WILLIS
BETTE NICHOLSON
BOB FAWCETT
BURT DUKAKIS
BURT POSEY
BURT TEMPLE
CAMERON WRAY
CAMERON STREEP
CAMERON ZELLWEGER
CARMEN HUNT
CARY MCCONAUGHEY
CATE HARRIS
CATE MCQUEEN
CHARLIZE DENCH
CHRIS DEPP
CHRIS BRIDGES
CHRISTIAN NEESON
CHRISTIAN GABLE
CHRISTIAN AKROYD
CHRISTOPHER BERRY
CHRISTOPHER WEST
CUBA ALLEN
CUBA OLIVIER
CUBA BRICH

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CUBA OLIVIER	
CUBA BIRCH	
DAN TORN	
DAN HARRIS	
DAN STREEP	
DARYL WAHLBERG	
DARYL CRAWFORD	
DEBBIE AKROYD	
DUSTIN TAUTOU	
ED CHASE	
ED GUINNESS	
ED MANSFIELD	
ELLEN PRESLEY	
ELVIS MARX	
EMILY DEE	
EWAN GOODING	
FAY KILMER	
FAY WOOD	
FAY WINSLET	
FRANCES TOMEI	
FRANCES DAY-LEWIS	
FRED COSTNER	
GARY PHOENIX	
GARY PENN	
GENE MCKELLEN	
GENE HOPKINS	
GENE WILLIS	
GEOFFREY HESTON	
GINA DEGENERES	
GOLDIE BRODY	
GRACE MOSTEL	
GREG CHAPLIN	
GREGORY GOODING	
GRETA MALDEN	
GRETA KEITEL	
GROUCHO WILLIAMS	
GROUCHO DUNST	
GROUCHO SINATRA	
HARRISON BALE	
HARVEY HOPE	
HELEN VOIGHT	
HENRY BERRY	
HUMPHREY GARLAND	
HUMPHREY WILLIS	

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JADA RYDER	
JAMES PITT	
JANE JACKMAN	
JAYNE NOLTE	
JAYNE NEESON	
JAYNE SILVERSTONE	
JEFF SILVERSTONE	
JENNIFER DAVIS	
JESSICA BAILEY	
JIM MOSTEL	
JODIE DEGENERES	
JOE SWANK	
JOHN SUVARI	
JOHNNY CAGE	
JOHNNY LOLLOBRIGIDA	
JON CHASE	
JUDE CRUISE	
JUDY DEAN	
JULIA ZELLWEGER	
JULIA MCQUEEN	
JULIA BARRYMORE	
JULIA FAWCETT	
JULIANNE DENCH	
KARL BERRY	
KENNETH PESCI	
KENNETH PALTROW	
KENNETH TORN	
KENNETH HOFFMAN	
KEVIN GARLAND	
KEVIN BLOOM	
KIM ALLEN	
KIRK JOVOVICH	
KIRSTEN AKROYD	
KIRSTEN PALTROW	
LAURA BRODY	
LAURENCE BULLOCK	
LISA MONROE	
LIZA BERGMAN	
LUCILLE TRACY	
LUCILLE DEE	
MAE HOFFMAN	
MARY TANDY	
MARY KEITEL	
MATTHEW LEIGH	

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```
MATTHEW JOHANSSON
MEG HAWKE
MENA HOPPER
MENA TEMPLE
MERYL GIBSON
MERYL ALLEN
MICHAEL BENING
MICHAEL BOLGER
MICHELLE MCCONAUGHEY
MILLA PECK
MILLA KEITEL
MINNIE KILMER
MINNIE ZELLWEGER
MORGAN HOPKINS
MORGAN WILLIAMS
MORGAN MCDORMAND
NATALIE HOPKINS
NICK DEGENERES
NICK WAHLBERG
NICK STALLONE
OLYMPIA PFEIFFER
OPRAH KILMER
PARKER GOLDBERG
PENELOPE MONROE
PENELOPE PINKETT
PENELOPE GUINNESS
PENELOPE CRONYN
RALPH CRUZ
RAY JOHANSSON
REESE KILMER
REESE WEST
RENEE TRACY
RENEE BALL
RICHARD PENN
RIP CRAWFORD
RIP WINSLET
RITA REYNOLDS
RIVER DEAN
ROCK DUKAKIS
RUSSELL TEMPLE
RUSSELL BACALL
RUSSELL CLOSE
SALMA NOLTE
SANDRA KILMER
```

cmd Command Prompt - mysql -u root -p

```
RITA REYNOLDS
RIVER DEAN
ROCK DUKAKIS
RUSSELL TEMPLE
RUSSELL BACALL
RUSSELL CLOSE
SALMA NOLTE
SANDRA KILMER
SANDRA PECK
SCARLETT BENING
SCARLETT DAMON
SEAN GUINNESS
SEAN WILLIAMS
SIDNEY CROWE
SISSY SOBIESKI
SPENCER DEPP
SPENCER PECK
SUSAN DAVIS
SUSAN DAVIS
SYLVESTER DERN
THORA TEMPLE
TIM HACKMAN
TOM MIRANDA
TOM MCKELLEN
UMA WOOD
VAL BOLGER
VIVIEN BASINGER
VIVIEN BERGEN
WALTER TORN
WARREN JACKMAN
WARREN NOLTE
WHOOPI HURT
WILL WILSON
WILLIAM HACKMAN
WOODY JOLIE
WOODY HOFFMAN
ZERO CAGE
```

+-----+  
200 rows in set (0.00 sec)

mysql>

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

```
mysql> SELECT last_name FROM actor WHERE last_name LIKE '%GEN%';
+-----+
| last_name |
+-----+
| BERGEN    |
| DEGENERES |
| DEGENERES |
| DEGENERES |
+-----+
4 rows in set (0.00 sec)

mysql> SELECT first_name , last_name FROM actor WHERE last_name LIKE '%GEN%';
+-----+-----+
| first_name | last_name |
+-----+-----+
| VIVIEN    | BERGEN    |
| JODIE     | DEGENERES |
| GINA      | DEGENERES |
| NICK      | DEGENERES |
+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT * FROM actor WHERE last_name LIKE '%GEN%';
+-----+-----+-----+-----+
| actor_id | first_name | last_name | last_update |
+-----+-----+-----+-----+
| 14       | VIVIEN    | BERGEN    | 2006-02-15 04:34:33 |
| 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 |
+-----+-----+-----+-----+
4 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 * from country where country IN ('Afghanistan','Bangladesh','China');
+-----+-----+-----+
| country_id | country      | last_update |
+-----+-----+-----+
| 1          | Afghanistan  | 2006-02-15 04:44:00 |
| 12         | Bangladesh   | 2006-02-15 04:44:00 |
| 23         | China        | 2006-02-15 04:44:00 |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

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

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121 rows in set (0.01 sec)

```
mysql> SELECT last_name ,COUNT(*) as count from actor GROUP BY last_name;
```

last_name	count
AKROYD	3
ALLEN	3
ASTAIRE	1
BACALL	1
BAILEY	2
BALE	1
BALL	1
BARRYMORE	1
BASINGER	1
BENING	2
BERGEN	1
BERGMAN	1
BERRY	3
BIRCH	1
BLOOM	1
BOLGER	2
BRIDGES	1
BRODY	2
BULLOCK	1
CAGE	2
CARREY	1
CHAPLIN	1
CHASE	2
CLOSE	1
COSTNER	1
CRAWFORD	2
CRONYN	2
CROWE	1
CRUISE	1
CRUZ	1
DAMON	1
DAVIS	3
DAY-LEWIS	1
DEAN	2
DEE	2
DEGENERES	3
DENCH	2
DEPP	2

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DENCH	2
DEPP	2
DERN	1
DREYFUSS	1
DUKAKIS	2
DUNST	1
FAWCETT	2
GABLE	1
GARLAND	3
GIBSON	1
GOLDBERG	1
GOODING	2
GRANT	1
GUINNESS	3
HACKMAN	2
HARRIS	3
HAWKE	1
HESTON	1
HOFFMAN	3
HOPE	1
HOPKINS	3
HOPPER	2
HUDSON	1
HUNT	1
HURT	1
JACKMAN	2
JOHANSSON	3
JOLIE	1
JOVOVICH	1
KEITEL	3
KILMER	5
LEIGH	1
LOLLOBRIGIDA	1
MALDEN	1
MANSFIELD	1
MARX	1
MCCONAUGHEY	2
MCDORMAND	1
MCKELLEN	2
MCQUEEN	2
MIRANDA	1
MONROE	2
MOSTEL	2
NEESON	2

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MOSTEL	2
NEESON	2
NICHOLSON	1
NOLTE	4
OLIVIER	2
PALTROW	2
PECK	3
PENN	2
PESCI	1
PFEIFFER	1
PHOENIX	1
PINKETT	1
PITT	1
POSEY	1
PRESLEY	1
REYNOLDS	1
RYDER	1
SILVERSTONE	2
SINATRA	1
SOBIESKI	1
STALLONE	1
STREEP	2
SUVARI	1
SWANK	1
TANDY	2
TAUTOU	1
TEMPLE	4
TOMEI	1
TORN	3
TRACY	2
VOIGHT	1
WAHLBERG	2
WALKEN	1
WAYNE	1
WEST	2
WILLIAMS	3
WILLIS	3
WILSON	1
WINSLET	2
WITHERSPOON	1
WOOD	2
WRAY	1
ZELLWEGER	3

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

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121 rows in set (0.00 sec)

```
mysql> SELECT last_name ,COUNT(*) as count from actor GROUP BY last_name HAVING count >= 2 ;
```

last_name	count
AKROYD	3
ALLEN	3
BAILEY	2
BENING	2
BERRY	3
BOLGER	2
BRODY	2
CAGE	2
CHASE	2
CRAWFORD	2
CRONYN	2
DAVIS	3
DEAN	2
DEE	2
DEGENERES	3
DENCH	2
DEPP	2
DUKAKIS	2
FAWCETT	2
GARLAND	3
GOODING	2
GUINNESS	3
HACKMAN	2
HARRIS	3
HOFFMAN	3
HOPKINS	3
HOPPER	2
JACKMAN	2
JOHANSSON	3
KEITEL	3
KILMER	5
MCCONAUGHEY	2
MCKELLEN	2
MCQUEEN	2
MONROE	2
MOSTEL	2
NEESON	2
NOLTE	4

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```
mysql> SELECT * FROM actor;
+-----+-----+
| FAWCETT      | 2 |
| GARLAND      | 3 |
| GOODING      | 2 |
| GUINNESS     | 3 |
| HACKMAN      | 2 |
| HARRIS       | 3 |
| HOFFMAN      | 3 |
| HOPKINS      | 3 |
| HOPPER       | 2 |
| JACKMAN      | 2 |
| JOHANSSON    | 3 |
| KEITEL       | 3 |
| KILMER       | 5 |
| MCCONAUGHEY  | 2 |
| MCKELLEN     | 2 |
| MCQUEEN      | 2 |
| MONROE       | 2 |
| MOSTEL       | 2 |
| NEESON       | 2 |
| NOLTE        | 4 |
| OLIVIER      | 2 |
| PALTROW      | 2 |
| PECK         | 3 |
| PENN         | 2 |
| SILVERSTONE  | 2 |
| STREEP       | 2 |
| TANDY        | 2 |
| TEMPLE       | 4 |
| TORN         | 3 |
| TRACY        | 2 |
| WAHLBERG     | 2 |
| WEST         | 2 |
| WILLIAMS     | 3 |
| WILLIS       | 3 |
| WINSLET      | 2 |
| WOOD         | 2 |
| ZELLWEGER    | 3 |
+-----+-----+
55 rows in set (0.01 sec)

mysql>
```

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 first_name = 'GROUCHO' and last_name = 'WILLIAMS';
+-----+-----+-----+-----+
| actor_id | first_name | last_name | last_update |
+-----+-----+-----+-----+
|      172 | GROUCHO   | WILLIAMS  | 2006-02-15 04:34:33 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> update actor
-> set
-> first_name = 'HARPO'
-> where actor_id = 172;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from actor where actor_id = 172;
+-----+-----+-----+-----+
| actor_id | first_name | last_name | last_update |
+-----+-----+-----+-----+
|      172 | HARPO     | WILLIAMS  | 2024-03-04 19:22:26 |
+-----+-----+-----+-----+
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:

```

mysql> select s.first_name ,s.last_name ,a.address from
-> staff as s INNER JOIN address as a
-> ON s.address_id = a.address_id ;
+-----+-----+-----+
| first_name | last_name | address |
+-----+-----+-----+
| Mike      | Hillyer  | 23 Workhaven Lane |
| Jon       | Stephens | 1411 Lillydale Drive |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>

```

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

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997 rows in set (0.01 sec)

```
mysql> select f.title ,count(actor_id) as number_of_actor from film as f INNER JOIN film_actor as fa ON f.film_id = fa.film_id  
-> group by title;
```

title	number_of_actor
ACADEMY DINOSAUR	10
ACE GOLDFINGER	4
ADAPTATION HOLES	5
AFFAIR PREJUDICE	5
AFRICAN EGG	5
AGENT TRUMAN	7
AIRPLANE SIERRA	5
AIRPORT POLLOCK	4
ALABAMA DEVIL	9
ALADDIN CALENDAR	8
ALAMO VIDEOTAPE	4
ALASKA PHANTOM	7
ALI FOREVER	5
ALICE FANTASIA	4
ALIEN CENTER	6
ALLEY EVOLUTION	5
ALONE TRIP	8
ALTER VICTORY	4
AMADEUS HOLY	6
AMELIE HELLFIGHTERS	6
AMERICAN CIRCUS	5
AMISTAD MIDSUMMER	4
ANACONDA CONFESSIONS	5
ANALYZE HOOSIERS	5
ANGELS LIFE	9
ANNIE IDENTITY	3
ANONYMOUS HUMAN	9
ANTHEM LUKE	2
ANTITRUST TOMATOES	7
ANYTHING SAVANNAH	3
APACHE DIVINE	4
APOCALYPSE FLAMINGOS	5
APOLLO TEEN	8
ARABIA DOGMA	12
ARACHNOPHOBIA ROLLERCOASTER	8
ARGONAUTS TOWN	5
ARIZONA BANG	4

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ARGONAUTS TOWN	5
ARIZONA BANG	4
ARK RIDGEMONT	3
ARMAGEDDON LOST	7
ARMY FLINTSTONES	7
ARSENIC INDEPENDENCE	3
ARTIST COLDBLOODED	7
ATLANTIS CAUSE	9
ATTACKS HATE	4
ATTRACTION NEWTON	4
AUTUMN CROW	3
BABY HALL	8
BACKLASH UNDEFEATED	7
BADMAN DAWN	8
BAKED CLEOPATRA	1
BALLOON HOMEWARD	6
BALLROOM MOCKINGBIRD	7
BANG KWAI	7
BANGER PINOCCHIO	6
BARBARELLA STREETCAR	5
BAREFOOT MANCHURIAN	8
BASIC EASY	6
BEACH HEARTBREAKERS	7
BEAR GRACELAND	3
BEAST HUNCHBACK	5
BEAUTY GREASE	5
BED HIGHBALL	5
BEDAZZLED MARRIED	7
BEETHOVEN EXORCIST	6
BEHAVIOR RUNAWAY	5
BENEATH RUSH	7
BERETS AGENT	10
BETRAYED REAR	4
BEVERLY OUTLAW	4
BIKINI BORROWERS	2
BILKO ANONYMOUS	3
BILL OTHERS	6
BINGO TALENTED	5
BIRCH ANTITRUST	6
BIRD INDEPENDENCE	2
BIRDCAGE CASPER	4
BIRDS PERDITION	4
BLACKOUT PRIVATE	5
BLADE POLISH	5

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BLINDNESS GUN	3
BLOOD ARGONAUTS	4
BLUES INSTINCT	4
BOILED DARES	8
BONNIE HOLOCAUST	9
BOOGIE AMELIE	6
BOONDOCK BALLROOM	13
BORN SPINAL	9
BORROWERS BEDAZZLED	7
BOULEVARD MOB	8
BOUND CHEAPER	2
BOWFINGER GABLES	5
BRANNIGAN SUNRISE	2
BRAVEHEART HUMAN	4
BREAKFAST GOLDFINGER	5
BREAKING HOME	6
BRIDE INTRIGUE	1
BRIGHT ENCOUNTERS	4
BRINGING HYSTERICAL	2
BROOKLYN DESERT	5
BROTHERHOOD BLANKET	5
BUBBLE GROSSE	3
BUCKET BROTHERHOOD	6
BUGSY SONG	2
BULL SHAWSHANK	8
BULWORTH COMMANDMENTS	4
BUNCH MINDS	8
BUTCH PANTHER	3
BUTTERFLY CHOCOLAT	7
CABIN FLASH	4
CADDYSHACK JEDI	7
CALENDAR GUNFIGHT	8
CALIFORNIA BIRDS	2
CAMELOT VACATION	2
CAMPUS REMEMBER	3
CANDIDATE PERDITION	4
CANDLES GRAPES	7
CANYON STOCK	6
CAPER MOTIONS	7
CARIBBEAN LIBERTY	8
CAROL TEXAS	7
CARRIE BUNCH	7
CASABLANCA SUPER	4
CASPER DRAGONFLY	5

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CASUALTIES ENCINO	5
CAT CONEHEADS	4
CATCH AMISTAD	5
CAUSE DATE	6
CELEBRITY HORN	4
CENTER DINOSAUR	4
CHAINSAW UPTOWN	2
CHAMBER ITALIAN	7
CHAMPION FLATLINERS	4
CHANCE RESURRECTION	6
CHAPLIN LICENSE	6
CHARADE DUFFEL	3
CHARIOTS CONSPIRACY	2
CHASING FIGHT	5
CHEAPER CLYDE	2
CHICAGO NORTH	8
CHICKEN HELLFIGHTERS	2
CHILL LUCK	5
CHINATOWN GLADIATOR	10
CHISUM BEHAVIOR	4
CHITTY LOCK	13
CHOCOLAT HARRY	5
CHOCOLATE DUCK	7
CHRISTMAS MOONSHINE	3
CIDER DESIRE	5
CINCINATTI WHISPERER	4
CIRCUS YOUTH	2
CITIZEN SHREK	8
CLASH FREDDY	7
CLEOPATRA DEVIL	7
CLERKS ANGELS	4
CLOCKWORK PARADISE	5
CLONES PINOCCHIO	5
CLOSER BANG	6
CLUB GRAFFITI	4
CLUE GRAIL	6
CLUELESS BUCKET	8
CLYDE THEORY	4
COAST RAINBOW	10
COLDBLOODED DARLING	4
COLOR PHILADELPHIA	7
COMA HEAD	3
COMANCHEROS ENEMY	5
COMFORTS RUSH	5

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COMANCHEROS ENEMY	5
COMFORTS RUSH	5
COMMAND DARLING	8
COMMANDMENTS EXPRESS	4
CONEHEADS SMOOCHY	9
CONFESSIONS MAGUIRE	4
CONFIDENTIAL INTERVIEW	2
CONFUSED CANDLES	6
CONGENIALITY QUEST	3
CONNECTICUT TRAMP	7
CONNECTION MICROCOSMOS	7
CONQUERER NUTS	6
CONSPIRACY SPIRIT	4
CONTACT ANONYMOUS	5
CONTROL ANTHEM	3
CONVERSATION DOWNHILL	3
CORE SUIT	4
COWBOY DOOM	5
CRAFT OUTFIELD	6
CRANES RESERVOIR	6
CRAZY HOME	13
CREATURES SHAKESPEARE	3
CREEPERS KANE	6
CROOKED FROGMEN	6
CROSSING DIVORCE	2
CROSSROADS CASUALTIES	8
CROW GREASE	10
CROWDS TELEMAR	4
CRUELTY UNFORGIVEN	2
CRUSADE HONEY	9
CRYSTAL BREAKING	5
CUPBOARD SINNERS	8
CURTAIN VIDEOTAPE	3
CYCLONE FAMILY	3
DADDY PITTSBURGH	5
DAISY MENAGERIE	7
DALMATIONS SWEDEN	6
DANCES NONE	5
DANCING FEVER	6
DANGEROUS UPTOWN	8
DARES PLUTO	10
DARKNESS WAR	2
DARKO DORADO	4
DARLING BREAKING	2

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DATE SPEED	4
DAUGHTER MADIGAN	4
DAWN POND	6
DAY UNFAITHFUL	5
DAZED PUNK	6
DECEIVER BETRAYED	4
DEEP CRUSADE	7
DEER VIRGINIAN	3
DELIVERANCE MULHOLLAND	3
DESERT POSEIDON	5
DESIRE ALIEN	7
DESPERATE TRAINSPOTTING	4
DESTINATION JERK	3
DESTINY SATURDAY	7
DETAILS PACKER	2
DETECTIVE VISION	3
DEVIL DESIRE	5
DIARY PANIC	4
DINOSAUR SECRETARY	6
DIRTY ACE	5
DISCIPLE MOTHER	7
DISTURBING SCARFACE	4
DIVIDE MONSTER	6
DIVINE RESURRECTION	5
DIVORCE SHINING	6
DOCTOR GRAIL	6
DOGMA FAMILY	7
DOLLS RAGE	1
DONNIE ALLEY	7
DOOM DANCING	8
DOORS PRESIDENT	9
DORADO NOTTING	4
DOUBLE WRATH	8
DOUBTFIRE LABYRINTH	5
DOWNHILL ENOUGH	4
DOZEN LION	6
DRACULA CRYSTAL	13
DRAGON SQUAD	8
DRAGONFLY STRANGERS	3
DREAM PICKUP	4
DRIFTER COMMANDMENTS	7
DRIVER ANNIE	8
DRIVING POLISH	7
DROP WATERFRONT	8

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

```

mysql> SELECT f.title ,COUNT(i.film_id) as number_of_repetation
-> FROM film as f
-> INNER JOIN
-> inventory as i ON
-> f.film_id = i.film_id
-> GROUP BY title HAVING title = "Hunchback Impossible";
+-----+-----+
| title                | number_of_repetation |
+-----+-----+
| HUNCHBACK IMPOSSIBLE | 6                     |
+-----+-----+
1 row in set (0.01 sec)

mysql> _

```

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



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```
mysql> select c.last_name ,c.first_name ,SUM(p.amount) as total_paid  
-> from customer as c INNER JOIN  
-> payment as p ON c.customer_id =p.customer_id  
-> group by c.last_name ,c.first_name  
-> order by c.last_name,c.first_name;
```

last_name	first_name	total_paid
ABNEY	RAFAEL	97.79
ADAM	NATHANIEL	133.72
ADAMS	KATHLEEN	92.73
ALEXANDER	DIANA	105.73
ALLARD	GORDON	160.68
ALLEN	SHIRLEY	126.69
ALVAREZ	CHARLENE	114.73
ANDERSON	LISA	106.76
ANDREW	JOSE	96.75
ANDREWS	IDA	76.77
AQUINO	OSCAR	99.80
ARCE	HARRY	157.65
ARCHULETA	JORDAN	132.70
ARMSTRONG	MELANIE	92.75
ARNOLD	BEATRICE	119.74
ARSENAULT	KENT	134.73
ARTIS	CARL	106.77
ASHCRAFT	DARRYL	76.77
ASHER	TYRONE	112.76
AUSTIN	ALMA	151.65
BAILEY	MILDRED	98.75
BAKER	PAMELA	95.77
BALES	MARTIN	103.73
BANDA	EVERETT	110.72
BANKS	JESSIE	91.74
BARBEE	CLAYTON	96.74
BARCLAY	ANGEL	115.68
BARFIELD	NICHOLAS	145.68
BARKLEY	VICTOR	91.76
BARNES	RACHEL	84.78
BARNETT	CAROLE	108.70
BARRETT	TRACEY	118.73
BATES	DAISY	162.62
BAUGH	EDWARD	114.72
BAUGHMAN	ROBERT	92.79
BELL	JEAN	115.73

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BENNETT	JANE	100.72
BERRY	REGINA	135.66
BESS	CHARLIE	120.74
BETANCOURT	MIGUEL	135.71
BILLINGSLEY	HENRY	73.82
BISHOP	AGNES	98.77
BLACK	VALERIE	121.74
BLAKELY	DEREK	97.72
BOLIN	MATHEW	90.78
BONE	DON	133.75
BOSTIC	LEON	109.75
BOUDREAU	BOBBY	106.65
BOURQUE	DERRICK	95.78
BOWENS	CLIFFORD	113.71
BOWMAN	CAROLINE	50.85
BOX	BYRON	120.71
BOYD	EMMA	94.77
BRADLEY	ANA	174.66
BREAUX	TED	117.71
BREWER	VICKIE	120.69
BRINSON	RUSSELL	136.64
BROOKS	BEVERLY	97.76
BROTHERS	CHRIS	84.78
BROWN	ELIZABETH	144.62
BROWNLEE	GUY	159.68
BRYANT	PAULA	77.82
BUFORD	CLINTON	103.75
BULL	WESLEY	177.60
BUNN	TIMOTHY	91.78
BURK	EDWIN	116.77
BURKE	LYDIA	82.76
BURLESON	SIDNEY	108.75
BURNS	APRIL	94.74
BURTON	COLLEEN	87.76
BUSTAMANTE	LEROY	118.68
BUTLER	LOIS	113.65
BUTTERFIELD	ALLEN	85.79
BYRD	DEANNA	107.74
CABRAL	DANIEL	97.80
CALDWELL	KAY	98.80
CAMPBELL	CATHERINE	142.66
CARBONE	CHAD	89.75
CARLSON	TERRY	127.71
CARPENTER	LORETTA	93.78

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

```
Command Prompt - mysql -u root -p
for the right syntax to use near 'AND language_id = (select language_id from languag
2
mysql> select title,language_id from film
  -> WHERE(title like 'K%' OR title like 'Q%') AND
  -> language_id = (select language_id from language where name = 'English');
+-----+-----+
| title          | language_id |
+-----+-----+
| KANE EXORCIST  | 1           |
| KARATE MOON    | 1           |
| KENTUCKIAN GIANT | 1           |
| KICK SAVANNAH  | 1           |
| KILL BROTHERHOOD | 1           |
| KILLER INNOCENT | 1           |
| KING EVOLUTION | 1           |
| KISS GLORY     | 1           |
| KISSING DOLLS  | 1           |
| KNOCK WARLOCK  | 1           |
| KRAMER CHOCOLATE | 1           |
| KWAI HOMEWARD  | 1           |
| QUEEN LUKE     | 1           |
| QUEST MUSSOLINI | 1           |
| QUILLS BULL    | 1           |
+-----+-----+
15 rows in set (0.00 sec)

mysql> _
```

0% Command Prompt - mysql -u root -p

```
= l.language_id
```

```
where l.name = 'English' AND (f.title like 'K%' O' at line 3
```

```
mysql> select f.language_id,f.title, l.name from film as f
```

```
-> inner join language as l
```

```
-> ON f.language_id = l.language_id
```

```
-> where l.name = 'English' AND (f.title like 'K%' OR f.title like 'Q%');
```

language_id	title	name
1	KANE EXORCIST	English
1	KARATE MOON	English
1	KENTUCKIAN GIANT	English
1	KICK SAVANNAH	English
1	KILL BROTHERHOOD	English
1	KILLER INNOCENT	English
1	KING EVOLUTION	English
1	KISS GLORY	English
1	KISSING DOLLS	English
1	KNOCK WARLOCK	English
1	KRAMER CHOCOLATE	English
1	KWAI HOMEWARD	English
1	QUEEN LUKE	English
1	QUEST MUSSOLINI	English
1	QUILLS BULL	English

```
15 rows in set (0.00 sec)
```

```
mysql>
```

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

```

ERROR 1054 (42S22): Unknown column 'actor_id' in 'field list'
mysql> select first_name,last_name from actor
      -> WHERE actor_id IN (select actor_id from film_actor
      -> where film_id =(select film_id from film where title = 'Alone Trip')
      -> );
+-----+-----+
| first_name | last_name |
+-----+-----+
| ED        | CHASE    |
| KARL      | BERRY    |
| UMA       | WOOD     |
| WOODY     | JOLIE    |
| SPENCER   | DEPP     |
| CHRIS     | DEPP     |
| LAURENCE  | BULLOCK  |
| RENEE     | BALL     |
+-----+-----+
8 rows in set (0.00 sec)

mysql>

```

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.

```

ERROR 1054 (42S22): Unknown column 'cu.country_id' in 'on clause'
mysql> SELECT cu.first_name,cu.last_name,cu.email,co.country from customer as cu
      -> INNER JOIN address as ad ON cu.address_id = ad.address_id
      -> INNER JOIN city as c ON ad.city_id = c.city_id
      -> INNER JOIN country as co ON c.country_id = co.country_id
      -> WHERE country = 'Canada' ;
+-----+-----+-----+-----+
| first_name | last_name | email                                     | country |
+-----+-----+-----+-----+
| DERRICK    | BOURQUE  | DERRICK.BOURQUE@sakilacustomer.org      | Canada  |
| DARRELL    | POWER    | DARRELL.POWER@sakilacustomer.org        | Canada  |
| LORETTA    | CARPENTER| LORETTA.CARPENTER@sakilacustomer.org    | Canada  |
| CURTIS     | IRBY     | CURTIS.IRBY@sakilacustomer.org          | Canada  |
| TROY       | QUIGLEY  | TROY.QUIGLEY@sakilacustomer.org         | Canada  |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> _

```

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

Command Prompt - mysql -u root -p

```
-> INNER JOIN ;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual t  
mysql> select f.title,f.film_id ,c.category_id from film as f  
-> INNER JOIN film_category as fc ON  
-> f.film_id = fc.film_id  
-> inner join category as c ON  
-> fc.category_id = c.category_id  
-> where name = 'family' ;
```

title	film_id	category_id
AFRICAN EGG	5	8
APACHE DIVINE	31	8
ATLANTIS CAUSE	43	8
BAKED CLEOPATRA	50	8
BANG KWAI	53	8
BEDAZZLED MARRIED	63	8
BILKO ANONYMOUS	71	8
BLANKET BEVERLY	80	8
BLOOD ARGONAUTS	82	8
BLUES INSTINCT	83	8
BRAVEHEART HUMAN	94	8
CHASING FIGHT	139	8
CHISUM BEHAVIOR	145	8
CHOCOLAT HARRY	147	8
CONFUSED CANDLES	175	8
CONVERSATION DOWNHILL	183	8
DATE SPEED	213	8
DINOSAUR SECRETARY	231	8
DUMBO LUST	262	8
EARRING INSTINCT	269	8
EFFECT GLADIATOR	273	8
FEUD FROGMEN	309	8
FINDING ANACONDA	315	8
GABLES METROPOLIS	345	8
GANDHI KWAI	348	8
GLADIATOR WESTWARD	359	8
GREASE YOUTH	377	8
HALF OUTFIELD	391	8
HOCUS FRIDA	419	8
HOMICIDE PEACH	428	8
HOUSE DYNAMITE	437	8
HUNTING MUSKETEERS	442	8
INDIAN LOVE	458	8

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HOCUS FRIDA	419	8
HOMICIDE PEACH	428	8
HOUSE DYNAMITE	437	8
HUNTING MUSKETEERS	442	8
INDIAN LOVE	458	8
JASON TRAP	476	8
JEDI BENEATH	479	8
KILLER INNOCENT	498	8
KING EVOLUTION	499	8
LOLITA WORLD	528	8
LOUISIANA HARRY	534	8
MAGUIRE APACHE	550	8
MANCHURIAN CURTAIN	557	8
MOVIE SHAKESPEARE	603	8
MUSIC BOONDOCK	610	8
NATURAL STOCK	617	8
NETWORK PEAK	621	8
ODDS BOOGIE	634	8
OPPOSITE NECKLACE	639	8
PILOT HOOSIERS	679	8
PITTSBURGH HUNCHBACK	682	8
PRESIDENT BANG	695	8
PRIX UNDEFEATED	700	8
RAGE GAMES	710	8
RANGE MOONWALKER	715	8
REMEMBER DIARY	724	8
RESURRECTION SILVERADO	727	8
ROBBERY BRIGHT	736	8
RUSH GOODFELLAS	753	8
SECRETS PARADISE	778	8
SENSIBILITY REAR	780	8
SIEGE MADRE	795	8
SLUMS DUCK	810	8
SOUP WISDOM	822	8
SPARTACUS CHEAPER	824	8
SPINAL ROCKY	829	8
SPLASH GUMP	832	8
SUNSET RACER	866	8
SUPER WYOMING	867	8
VIRTUAL SPOILERS	946	8
WILLOW TRACY	975	8

69 rows in set (0.02 sec)

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

```

1 row in set (0.00 sec)

mysql> DELIMITER //
mysql> CREATE PROCEDURE count_of_films(IN c_name VARCHAR(255), OUT film_count INT)
    -> BEGIN
    -> SELECT COUNT(*) INTO film_count FROM film
    -> WHERE film_id IN (SELECT film_id FROM film_category WHERE category_id = (
    -> SELECT category_id FROM category WHERE name = c_name));
    -> END //
Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;
mysql> call count_of_films('action',@film_count);
Query OK, 1 row affected (0.01 sec)

mysql> select @film_count;
+-----+
| @film_count |
+-----+
|          64 |
+-----+
1 row in set (0.00 sec)

mysql>

```

16. Display the most frequently rented movies in descending order.



cmd Command Prompt - mysql -u root -p

```
mysql> select f.title ,count(r.rental_id) as rental_count
-> from film as f inner join inventory as i ON
-> f.film_id =i.film_id INNER JOIN
-> rental as r ON i.inventory_id =r.inventory_id
-> group by f.title
-> order by rental_count DESC;
```

title	rental_count
BUCKET BROTHERHOOD	34
ROCKETEER MOTHER	33
FORWARD TEMPLE	32
GRIT CLOCKWORK	32
JUGGLER HARDLY	32
RIDGEMONT SUBMARINE	32
SCALAWAG DUCK	32
APACHE DIVINE	31
GOODFELLAS SALUTE	31
HOBBIT ALIEN	31
NETWORK PEAK	31
ROBBERS JOON	31
RUSH GOODFELLAS	31
TIMBERLAND SKY	31
WIFE TURN	31
ZORRO ARK	31
BUTTERFLY CHOCOLAT	30
CAT CONEHEADS	30
DOGMA FAMILY	30
ENGLISH BULWORTH	30
FROST HEAD	30
GRAFFITI LOVE	30
HARRY IDAHO	30
IDOLS SNATCHERS	30
MARRIED GO	30
MASSACRE USUAL	30
MUSCLE BRIGHT	30
PULP BEVERLY	30
RUGRATS SHAKESPEARE	30
SHOCK CABIN	30
SUSPECTS QUILLS	30
WITCHES PANIC	30
BINGO TALENTED	29
BOOGIE AMELIE	29
CONFIDENTIAL INTERVIEW	29

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ENEMY ODDS	29
FAMILY SWEET	29
GLEAMING JAWBREAKER	29
GREATEST NORTH	29
MOON BUNCH	29
STORM HAPPINESS	29
SWEETHEARTS SUSPECTS	29
TALENTED HOMICIDE	29
TITANS JERK	29
VIDEOTAPE ARSENIC	29
VIRGINIAN PLUTO	29
CLOSER BANG	28
EXPENDABLE STALLION	28
FATAL HAUNTED	28
GIANT TROOPERS	28
GILMORE BOILED	28
HANDICAP BOONDOCK	28
ROSES TREASURE	28
SATURDAY LAMBS	28
STORY SIDE	28
TRIP NEWTON	28
VOYAGE LEGALLY	28
BLACKOUT PRIVATE	27
CAMELOT VACATION	27
CHANCE RESURRECTION	27
CURTAIN VIDEOTAPE	27
DANCING FEVER	27
DETECTIVE VISION	27
DORADO NOTTING	27
FORRESTER COMANCHEROS	27
GANGS PRIDE	27
GOLDMINE TYCOON	27
HORROR REIGN	27
INVASION CYCLONE	27
LIES TREATMENT	27
LOATHING LEGALLY	27
LOSE INCH	27
MOVIE SHAKESPEARE	27
NONE SPIKING	27
OPERATION OPERATION	27
PRIMARY GLASS	27
PRINCESS GIANT	27
RANGE MOONWALKER	27
SPY MILE	27

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

```
mysql> select s.store_id,ci.city,c.country from store as s
-> inner join address as a ON s.address_id =a.address_id
-> INNER JOIN city as ci ON a.city_id=ci.city_id
-> INNER JOIN country as c ON ci.country_id =c.country_id ;
```

store_id	city	country
1	Lethbridge	Canada
2	Woodridge	Australia

```
2 rows in set (0.00 sec)
```

18. List the genres and its gross revenue.

Command Prompt - mysql -u root -p

```
mysql> select c.name as genres ,sum(p.amount) as gross_revenue from payment as p
-> INNER JOIN rental as r ON p.rental_id =r.rental_id
-> INNER JOIN inventory as i ON r.inventory_id =i.inventory_id
-> INNER JOIN film_category as fc ON i.film_id = fc.film_id
-> INNER JOIN category as c ON fc.category_id =c.category_id
-> group by c.name;
```

genres	gross_revenue
Action	4375.85
Animation	4656.30
Children	3655.55
Classics	3639.59
Comedy	4383.58
Documentary	4217.52
Drama	4587.39
Family	4226.07
Foreign	4270.67
Games	4281.33
Horror	3722.54
Music	3417.72
New	4351.62
Sci-Fi	4756.98
Sports	5314.21
Travel	3549.64

```
16 rows in set (0.17 sec)

mysql> _
```

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

```
Command Prompt - mysql -u root -p

| Sports      | 5314.21 |
| Travel      | 3549.64 |
+-----+
16 rows in set (0.17 sec)

mysql> CREATE VIEW Revenue as
-> select c.name as genres ,sum(p.amount) as gross_revenue from payment as p
-> INNER JOIN rental as r ON p.rental_id =r.rental_id
-> INNER JOIN inventory as i ON r.inventory_id =i.inventory_id
-> INNER JOIN film_category as fc ON i.film_id = fc.film_id
-> INNER JOIN category as c ON fc.category_id =c.category_id
-> group by c.name;
Query OK, 0 rows affected (0.04 sec)

mysql> SELECT * FROM Revenue;
+-----+
| genres      | gross_revenue |
+-----+
| Action      | 4375.85 |
| Animation   | 4656.30 |
| Children    | 3655.55 |
| Classics    | 3639.59 |
| Comedy      | 4383.58 |
| Documentary | 4217.52 |
| Drama       | 4587.39 |
| Family      | 4226.07 |
| Foreign     | 4270.67 |
| Games       | 4281.33 |
| Horror      | 3722.54 |
| Music       | 3417.72 |
| New         | 4351.62 |
| Sci-Fi      | 4756.98 |
| Sports      | 5314.21 |
| Travel      | 3549.64 |
+-----+
16 rows in set (0.18 sec)
```

20. Select top 5 genres in gross revenue view.

at line 1  
mysql> SELECT \* FROM Revenue order by gross\_revenue DESC limit 5;

genres	gross_revenue
Sports	5314.21
Sci-Fi	4756.98
Animation	4656.30
Drama	4587.39
Comedy	4383.58

5 rows in set (0.17 sec)

mysql> █