1. What query would you run to get all the customers inside city_id = 312? Your query should return customer first name, last name, email, and address.

SELECT city.city_id, customer.first_name,
customer.last_name , customer.email ,
address.address , city.city, country.country
FROM country
LEFT JOIN city
ON country.country_id = city.country_id
LEFT JOIN address
ON city.city_id = address.city_id
LEFT JOIN customer
ON address.address_id = customer.address_id
WHERE city.city_id = 312;

city_id	first_name	last_name	email	address	city	country
312	MATTIE	HOFFMAN	MATTIE.HOFFMAN@sakilacustomer.org	1497 Yuzhou Drive	London	United Kingdom
312	CECIL	VINES	CECIL.VINES@sakilacustomer.org	548 Uruapan Street	London	United Kingdom

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2. What query would you run to get all comedy films? Your query should return film title, description, release year, rating, special features, and genre (category).

SELECT film.film_id, film.title,
 film.description, film.release_year,
 film.rating, film.special_features,
 category.name
FROM film
LEFT JOIN film_category
ON film.film_id = film_category.film_id
LEFT JOIN category
ON film_category.category_id = category.category_id
WHERE category.name = 'Comedy';

film_id	title	description	release_year	rating	special_features	name
7	AIRPLANE SIERRA	A Touching Saga of a Hunter And a Butler who must Discover a Butler in A Jet Boat	2006	PG-13	Trailers,Deleted Scenes	Comedy
28	ANTHEM LUKE	A Touching Panorama of a Waitress And a Woman who must Outrace a Dog in An Abandoned Amusement Park	2006	PG-13	Deleted Scenes,Behind the Scenes	Comedy
99	BRINGING HYSTERICAL	A Fateful Saga of a A Shark And a Technical Writer who must Find a Woman in A Jet Boat	2006	PG	Trailers	Comedy
119	CAPER MOTIONS	A Fateful Saga of a Moose And a Car who must Pursue a Woman in A MySQL Convention	2006	G	Trailers,Commentaries,Deleted Scenes	Comedy
127	CAT CONEHEADS	A Fast-Paced Panorama of a Girl And a A Shark who must Confront a Boy in Ancient India	2006	G	Commentaries,Deleted Scenes	Comedy
159	CLOSER BANG	A Unbelieveable Panorama of a Frisbee And a Hunter who must Vanquish a Monkey in Ancient India	2006	R	Trailers,Behind the Scenes	Comedy
178	CONNECTION MICROCOSMOS	A Fateful Documentary of a Crocodile And a Husband who must Face a Husband in The First Manned Space Station	2006	G	Deleted Scenes,Behind the Scenes	Comedy
182	CONTROL ANTHEM	A Fateful Documentary of a Robot And a Student who must Battle a Cat in A Monastery	2006	G	Commentaries	Comedy
188	CRAZY HOME	A Fanciful Panorama of a Boy And a Woman who must Vanquish a Database Administrator in The Outback	2006	PG	Commentaries,Deleted Scenes	Comedy
202	DADDY PITTSBURGH	A Epic Story of a A Shark And a Student who must Confront a Explorer in The Gulf of Mexico	2006	G	Deleted Scenes,Behind the Scenes	Comedy
242	DOOM DANCING	A Astounding Panorama of a Car And a Mad Scientist who must Battle a Lumberjack in A MySQL Convention	2006	R	Trailers,Commentaries	Comedy
247	DOWNHILL ENOUGH	A Emotional Tale of a Pastry Chef And a Forensic Psychologist who must Succumb a Monkey in The Sahara Desert	2006	G	Trailers,Commentaries,Deleted Scenes	Comedy
265	DYING MAKER	A Intrepid Tale of a Boat And a Monkey who must Kill a Cat in California	2006	PG	Behind the Scenes	Comedy
276	ELEMENT FREDDY	A Awe-Inspiring Reflection of a Waitress And a Squirrel who must Kill a Mad Cow in A Jet Boat	2006	NC-17	Commentaries,Behind the Scenes	Comedy
308	FERRIS MOTHER	A Touching Display of a Frisbee And a Frisbee who must Kill a Girl in The Gulf of Mexico	2006	PG	Trailers,Deleted Scenes,Behind the Scenes	Comedy
317	FIREBALL PHILADELPHIA	A Amazing Yarn of a Dentist And a A Shark who must Vanquish a Madman in An Abandoned Mine Shaft	2006	PG	Trailers,Commentaries,Behind the Scenes	Comedy
324	FLINTSTONES HAPPINESS	A Fateful Story of a Husband And a Moose who must Vanquish a Boy in California	2006	PG-13	Trailers,Commentaries,Deleted Scenes,Behind the Scenes	Comedy
332	FRANKENSTEIN STRANGER	A Insightful Character Study of a Feminist And a Pioneer who must Pursue a Pastry Chef in Nigeria	2006	NC-17	Deleted Scenes,Behind the Scenes	Comedy
335	FREEDOM CLEOPATRA	A Emotional Reflection of a Dentist And a Mad Cow who must Face a Squirrel in A Baloon	2006	PG-13	Trailers,Commentaries,Behind the Scenes	Comedy
365	GOLD RIVER	A Taut Documentary of a Database Administrator And a Waitress who must Reach a Mad Scientist in A Baloon Factory	2006	R	Trailers,Commentaries,Deleted Scenes,Behind the Scenes	Comedy
385	GROUNDHOG UNCUT	A Brilliant Panorama of a Astronaut And a Technical Writer who must Discover a Butler in A Manhattan Penthouse	2006	PG-13	Trailers,Commentaries,Deleted Scenes,Behind the Scenes	Comedy

3. What query would you run to get all the films joined by actor_id=5? Your query should return the actor id, actor name, film title, description, and release year.

SELECT actor.actor_id, CONCAT(first_name, ' ',last_name) AS
actor_name, film.title, film.description, film.release_year
FROM actor
LEFT JOIN film_actor
ON actor.actor_id = film_actor.actor_id
LEFT JOIN film
ON film_actor.film_id = film.film_id
WHERE actor.actor_id = 5;

actor_id	actor_name	title	description	release_year
5	JOHNNY LOLLOBRIGIDA	AMADEUS HOLY	A Emotional Display of a Pioneer And a Technical Writer who must Battle a Man in A Baloon	2006
5	JOHNNY LOLLOBRIGIDA	BANGER PINOCCHIO	A Awe-Inspiring Drama of a Car And a Pastry Chef who must Chase a Crocodile in The First Manned Space Station	2006
5	JOHNNY LOLLOBRIGIDA	BONNIE HOLOCAUST	A Fast-Paced Story of a Crocodile And a Robot who must Find a Moose in Ancient Japan	2006
5	JOHNNY LOLLOBRIGIDA	CHITTY LOCK	A Boring Epistle of a Boat And a Database Administrator who must Kill a Sumo Wrestler in The First Manned Space Station	2006
5	JOHNNY LOLLOBRIGIDA	COMMANDMENTS EXPRESS	A Fanciful Saga of a Student And a Mad Scientist who must Battle a Hunter in An Abandoned Mine Shaft	2006
5	JOHNNY LOLLOBRIGIDA	CONEHEADS SMOOCHY	A Touching Story of a Womanizer And a Composer who must Pursue a Husband in Nigeria	2006
5	JOHNNY LOLLOBRIGIDA	DADDY PITTSBURGH	A Epic Story of a A Shark And a Student who must Confront a Explorer in The Gulf of Mexico	2006
5	JOHNNY LOLLOBRIGIDA	DAISY MENAGERIE	A Fast-Paced Saga of a Pastry Chef And a Monkey who must Sink a Composer in Ancient India	2006
5	JOHNNY LOLLOBRIGIDA	ENOUGH RAGING	A Astounding Character Study of a Boat And a Secret Agent who must Find a Mad Cow in The Sahara Desert	2006
5	JOHNNY LOLLOBRIGIDA	ESCAPE METROPOLIS	A Taut Yarn of a Astronaut And a Technical Writer who must Outgun a Boat in New Orleans	2006
5	JOHNNY LOLLOBRIGIDA	FIRE WOLVES	A Intrepid Documentary of a Frisbee And a Dog who must Outrace a Lumberjack in Nigeria	2006
5	JOHNNY LOLLOBRIGIDA	FRONTIER CABIN	A Emotional Story of a Madman And a Waitress who must Battle a Teacher in An Abandoned Fun House	2006
5	JOHNNY LOLLOBRIGIDA	GOODFELLAS SALUTE	A Unbelieveable Tale of a Dog And a Explorer who must Sink a Mad Cow in A Baloon Factory	2006
5	JOHNNY LOLLOBRIGIDA	GRAIL FRANKENSTEIN	A Unbelieveable Saga of a Teacher And a Monkey who must Fight a Girl in An Abandoned Mine Shaft	2006

4. What query would you run to get all the customers in store_id = 1 and inside these cities (1, 42, 312 and 459)? Your query should return customer first name, last name, email, and address.

SELECT customer.first_name, customer.last_name,
customer.email, address.address
FROM store
LEFT JOIN customer
ON store.store_id = customer.store_id
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
WHERE store.store_id = 1
AND city.city_id IN (1, 42, 312, 459);

first_name	last_name	email	address
JULIE	SANCHEZ	JULIE.SANCHEZ@sakilacustomer.org	939 Probolinggo Loop
SCOTT	SHELLEY	SCOTT.SHELLEY@sakilacustomer.org	587 Benguela Manor
CECIL	VINES	CECIL.VINES@sakilacustomer.org	548 Uruapan Street
NELSON	CHRISTENSON	NELSON.CHRISTENSON@sakilacustomer.org	1764 Jalib al-Shuyukh Parkway

5. What query would you run to get all the films with a "rating = G" and "special feature = behind the scenes", joined by actor_id = 15? Your query should return the film title, description, release year, rating, and special feature. Hint: You may use LIKE function in getting the 'behind the scenes' part.
SELECT film.title, film.description, film.release_year, film.rating, film.special_features
FROM film
LEFT JOIN film_actor
ON film.film_id = film_actor.film_id
LEFT JOIN actor
ON film_actor.actor_id = actor.actor_id
WHERE actor.actor_id = 15
AND film.rating = "G"
AND film.special_features LIKE "%behind the scenes";

title	description	release_year	rating	special_features
BORROWERS BEDAZZLED	A Brilliant Epistle of a Teacher And a Sumo Wrestler who must Defeat a Man in An Abandoned Fun House	2006	G	Commentaries,Deleted Scenes,Behind the Scenes
NOON PAPI	A Unbelieveable Character Study of a Mad Scientist And a Astronaut who must Find a Pioneer in A Manhattan Penthouse	2006	G	Behind the Scenes
WEREWOLF LOLA	A Fanciful Story of a Man And a Sumo Wrestler who must Outrace a Student in A Monastery	2006	G	Trailers,Behind the Scenes

6. What query would you run to get all the actors that joined in the film_id = 369? Your query should return the film_id, title, actor_id, and actor_name.

SELECT film.film_id, film.title, actor.actor_id, CONCAT(actor.first_name, ' ',actor.last_name) AS actor_name
FROM film
LEFT JOIN film_actor
ON film.film_id = film_actor.film_id
LEFT JOIN actor
ON film_actor.actor_id = actor.actor_id
WHERE film.film_id = 369;

film_id	title	actor_id	actor_name
369	GOODFELLAS SALUTE	2	NICK WAHLBERG
369	GOODFELLAS SALUTE	5	JOHNNY LOLLOBRIGIDA
369	GOODFELLAS SALUTE	22	ELVIS MARX
369	GOODFELLAS SALUTE	83	BEN WILLIS
369	GOODFELLAS SALUTE	107	GINA DEGENERES
369	GOODFELLAS SALUTE	110	SUSAN DAVIS
369	GOODFELLAS SALUTE	126	FRANCES TOMEI
369	GOODFELLAS SALUTE	197	REESE WEST

7. What query would you run to get all drama films with a rental rate of 2.99? Your query should return film title, description, release year, rating, special features, and genre (category).

SELECT film.title, film.description, film.release_year, film.rating, film.special_features, category.name AS genre
FROM film
LEFT JOIN film_category
ON film.film_id = film_category.film_id
LEFT JOIN category
ON film_category.category_id = category.category_id
WHERE film.rental_rate = 2.99
AND category.name = "Drama";

title	description	release_year	rating	special_features	genre
APOLLO TEEN	A Action-Packed Reflection of a Crocodile And a Explorer who must Find a Sumo Wrestler in An Abandoned Mine Shaft	2006	PG-13	Trailers,Commentaries,Deleted Scenes,Behind the Scenes	Drama
BUNCH MINDS	A Emotional Story of a Feminist And a Feminist who must Escape a Pastry Chef in A MySQL Convention	2006	G	Behind the Scenes	Drama
CHITTY LOCK	A Boring Epistle of a Boat And a Database Administrator who must Kill a Sumo Wrestler in The First Manned Space Station	2006	G	Commentaries	Drama
DARKNESS WAR	A Touching Documentary of a Husband And a Hunter who must Escape a Boy in The Sahara Desert	2006	NC-17	Deleted Scenes,Behind the Scenes	Drama
DIARY PANIC	A Thoughtful Character Study of a Frisbee And a Mad Cow who must Outgun a Man in Ancient India	2006	G	Commentaries,Behind the Scenes	Drama
GONE TROUBLE	A Insightful Character Study of a Mad Cow And a Forensic Psychologist who must Conquer a A Shark in A Manhattan Penthouse	2006	R	Deleted Scenes,Behind the Scenes	Drama
JACKET FRISCO	A Insightful Reflection of a Womanizer And a Husband who must Conquer a Pastry Chef in A Baloon	2006	PG-13	Trailers,Deleted Scenes,Behind the Scenes	Drama
LEBOWSKI SOLDIERS	A Beautiful Epistle of a Secret Agent And a Pioneer who must Chase a Astronaut in Ancient China	2006	PG-13	Commentaries,Deleted Scenes	Drama
LUCK OPUS	A Boring Display of a Moose And a Squirrel who must Outrace a Teacher in A Shark Tank	2006	NC-17	Trailers,Commentaries,Behind the Scenes	Drama
ORIENT CLOSER	A Astounding Epistle of a Technical Writer And a Teacher who must Fight a Squirrel in The Sahara Desert	2006	R	Commentaries,Deleted Scenes	Drama
RACER EGG	A Emotional Display of a Monkey And a Waitress who must Reach a Secret Agent in California	2006	NC-17	Trailers,Commentaries,Deleted Scenes	Drama
SAINTS BRIDE	A Fateful Tale of a Technical Writer And a Composer who must Pursue a Explorer in The Gulf of Mexico	2006	G	Deleted Scenes	Drama
SEA VIRGIN	A Fast-Paced Documentary of a Technical Writer And a Pastry Chef who must Escape a Moose in A U-Boat	2006	PG	Deleted Scenes	Drama
UNFAITHFUL KILL	A Taut Documentary of a Waitress And a Mad Scientist who must Battle a Technical Writer in New Orleans	2006	R	Commentaries,Deleted Scenes	Drama
WARDROBE PHANTOM	A Action-Packed Display of a Mad Cow And a Astronaut who must Kill a Car in Ancient India	2006	G	Trailers,Commentaries	Drama

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8. What query would you run to get all the action films which are joined by SANDRA KILMER? Your query should return film title, description, release year, rating, special features, genre (category), and actor's first name and last name.

SELECT film.title, film.description, film.release_year, film.rating, film.special_features, category.name AS genre,
  CONCAT(first_name, ' ',last_name) AS actor_name
FROM actor
LEFT JOIN film_actor
ON actor.actor_id = film_actor.actor_id
LEFT JOIN film
ON film_actor.film_id = film.film_id
LEFT JOIN film_category
ON film.film_id = film_category.film_id
LEFT JOIN category
ON film_category.category_id = category.category_id
WHERE CONCAT(first_name, ' ',last_name) = "SANDRA KILMER";

title	description	release_year	rating	special_features	genre	actor_name
AGENT TRUMAN	A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China	2006	PG	Deleted Scenes	Foreign	SANDRA KILMER
ARTIST COLDBLOODED	A Stunning Reflection of a Robot And a Moose who must Challenge a Woman in California	2006	NC-17	Trailers,Behind the Scenes	Sports	SANDRA KILMER
BLACKOUT PRIVATE	A Intrepid Yarn of a Pastry Chef And a Mad Scientist who must Challenge a Secret Agent in Ancient Japan	2006	PG	Trailers,Deleted Scenes	Animation	SANDRA KILMER
BULL SHAWSHANK	A Fanciful Drama of a Moose And a Squirrel who must Conquer a Pioneer in The Canadian Rockies	2006	NC-17	Deleted Scenes	Action	SANDRA KILMER
CANDIDATE PERDITION	A Brilliant Epistle of a Composer And a Database Administrator who must Vanquish a Mad Scientist in The First Manned Space Station	2006	R	Deleted Scenes,Behind the Scenes	Classics	SANDRA KILMER
CANDLES GRAPES	A Fanciful Character Study of a Monkey And a Explorer who must Build a Astronaut in An Abandoned Fun House	2006	NC-17	Trailers,Deleted Scenes	Games	SANDRA KILMER
CASSIDY WYOMING	A Intrepid Drama of a Frisbee And a Hunter who must Kill a Secret Agent in New Orleans	2006	NC-17	Commentaries,Behind the Scenes	Travel	SANDRA KILMER
DARN FORRESTER	A Fateful Story of a A Shark And a Explorer who must Succumb a Technical Writer in A Jet Boat	2006	G	Deleted Scenes	Action	SANDRA KILMER
DESTINY SATURDAY	A Touching Drama of a Crocodile And a Crocodile who must Conquer a Explorer in Soviet Georgia	2006	G	Trailers,Commentaries,Behind the Scenes	New	SANDRA KILMER
DIVIDE MONSTER	A Intrepid Saga of a Man And a Forensic Psychologist who must Reach a Squirrel in A Monastery	2006	PG-13	Trailers,Commentaries	Sci-Fi	SANDRA KILMER
DRIVER ANNIE	A Lackluster Character Study of a Butler And a Car who must Redeem a Boat in An Abandoned Fun House	2006	PG-13	Trailers,Deleted Scenes,Behind the Scenes	Sports	SANDRA KILMER
GOLDMINE TYCOON	A Brilliant Epistle of a Composer And a Frisbee who must Conquer a Husband in The Outback	2006	R	Trailers,Behind the Scenes	Sci-Fi	SANDRA KILMER
GORGEOUS BINGO	A Action-Packed Display of a Sumo Wrestler And a Car who must Overcome a Waitress in A Baloon Factory	2006	R	Deleted Scenes,Behind the Scenes	Children	SANDRA KILMER