

Lobsang Dolma

SQL Assignment 2

Joins and Unions

1. Join the film to the film-actor table.

```
SELECT*FROM film  
Inner join film_actor  
on film.film_id=film_actor.film_id  
limit 15;
```

film_id	title	description	release_year	language_id	rent
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	
2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	2006	1	
2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	2006	1	
2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	2006	1	
2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	2006	1	
3	Adaptation Holes	A Astounding Reflection of a Lumberjack And a Car who must Sink a Lumberjack in A Baloon Factory	2006	1	

2. Join the actor table to the film_actor table.

```
SELECT*FROM actor  
inner join film_actor  
on film_actor.film_id=film.film_id;
```

actor_id	first_name	last_name	last_update	actor_id-2	film_id	last_update-2
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	1	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	23	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	25	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	106	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	140	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	166	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	277	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	361	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	438	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	499	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	506	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	509	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	605	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	635	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	749	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	832	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	939	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	970	2006-02-15 10:05:03
1	Penelope	Guiness	2013-05-26 14:47:57.62	1	980	2006-02-15 10:05:03
2	Nick	Wahlberg	2013-05-26 14:47:57.62	2	3	2006-02-15 10:05:03

3. Try to join the actor, film_actor, and film table together (3 joins!)

**SELECT*FROM actor
inner join film_actor
on actor.actor_id=film_actor.actor_id
inner join film
on film_actor.film_id=film.film_id**

release_year	language_id	rental_duration	rental_rate	length	replacement_cost	rating	last_update-3	special_features	fulltext
2000	1	6	0.99	86	20.99	PG	2013-05-26 14:50:58.951	["Deleted Scenes", "Behind the Scenes"]	'leadact-1' 'leadf-10' 'canadiar-20' 'drama-5' 'epic-4' 'feminist-8' 'musf-11' 'musf-14' 'noct-21' 'scenari-12' 'teacher-17'
2000	1	3	0.99	92	0.99	R	2013-05-26 14:50:58.951	["Fakes", "Deleted Scenes"]	'seconds-1' 'scenari-18' 'corbex-2' 'dentat-8,11' 'display-5' 'fight-14' 'grf-16' 'hacktur-4' 'musf-13'
2000	1	3	2.99	74	10.99	G	2013-05-26 14:50:58.951	["Fakes"]	'wepf-1' 'wennout-14' 'huff-14' 'hoxen-18' 'display-5' 'we-2' 'musf-13' 'notat-18' 'thought-4' 'woman-8'
2000	1	4	2.99	81	14.99	G	2013-05-26 14:50:58.951	["Fakes"]	'tenu-4' 'huckstr-1' 'comment-2' 'cow-9' 'display-5' 'musf-8' 'musf-14' 'notback-21' 'pinner-12' 'wakesen-15' 'suno-17' 'wester-18'
2000	1	6	0.99	87	23.99	G	2013-05-26 14:50:58.951	["Fakes,Commentaries","Behind the Scenes"]	'incient-19' 'chancf-5' 'sheep-1' 'vdyr-2' 'blow-15' 'dog-17' 'smof-4' 'grf-12' 'paper-20' 'musf-14' 'pinner-9' 'stud-6'
2000	1	6	2.99	149	19.99	G	2013-05-26 14:50:58.951	["Commentaries","Behind the Scenes"]	'car-8' 'tob-1' 'tossout-11' 'beest-20' 'monkey-16' 'musf-13' 'panorama-5' 'shhalephat-2' 'sahen-19' 'sok-14' 'thought-4'
2000	1	4	4.99	126	24.99	PG-13	2013-05-26 14:50:58.951	["Behind the Scenes"]	'tallou-20' 'beaut-4' 'wepf-1' 'forn-11' 'trider-17' 'lumberjack-8' 'musf-14' 'woscon-15' 'panorama-5' 'psychologist-12' 'wepf-2'
2000	1	5	2.99	89	20.99	NC-17	2013-05-26 14:50:58.951	["Fakes,Commentaries"]	'tenu-4' 'canadiar-20' 'car-17' 'compar-8' 'blow-15' 'display-5' 'forn-11' 'ghett-1' 'jacoback-2' 'musf-14' 'psychologist-12' 'noct-21'
2000	1	3	2.99	68	22.99	NC-17	2013-05-26 14:50:58.951	["Fakes","Behind the Scenes"]	'administ-18' 'beaut-4' 'chase-15' 'databa-17' 'graff-2' 'guft-21' 'human-1' 'measur-23' 'musf-14' 'reflect-5' 'suno-11' 'woman-8' 'wester-12'
2000	1	3	4.99	184	24.99	NC-17	2013-05-26 14:50:58.951	["Fakes","Deleted Scenes","Behind the Scenes"]	'action-5' 'action-pack-4' 'baloon-21' 'boy-10' 'chase-16' 'week-2' 'king-1' 'lumberjack-13' 'madman-18' 'musf-15' 'pack-6' 'tale-7'
2000	1	4	4.99	67	14.99	PG	2013-05-26 14:50:58.951	["Fakes","Deleted Scenes","Behind the Scenes"]	'beaut-4' 'beaf-22' 'chancf-5' 'wepf-17' 'led-11' 'musf-12' 'musf-14' 'pinner-15' 'wepf-15' 'wepf-6' 'v-21' 'v-boaf-20' 'woman-9'
2000	1	5	0.99	78	26.99	NC-17	2013-05-26 14:50:58.951	["Fakes","Deleted Scenes"]	'abandon-19' 'smat-20' 'car-8' 'cowboy-2' 'dentat-18' 'epic-4' 'language-1' 'madman-11' 'musf-13' 'pack-21' 'vanguish-14' 'year-5'
2000	1	7	2.99	137	13.99	PG	2013-05-26 14:50:58.951	["Fakes","Deleted Scenes","Behind the Scenes"]	'we-5' 'we-magf-4' 'wepf-16' 'weat-2' 'weat-23' 'wepf-7' 'wepf-19' 'wepf-15' 'wepf-8' 'grf-22' 'mushout-1' 'musf-15' 'wepf-13' 'suno-18' 'wester-19'
2000	1	7	0.99	58	10.99	PG	2013-05-26 14:50:58.951	["Behind the Scenes"]	'dancer-8' 'dancer-20' 'dancer-5' 'hubbard-16' 'lunag-2' 'musf-14' 'musf-13' 'vishen-1' 'wepf-19' 'wepf-4' 'wepf-11'
2000	1	6	4.99	153	19.99	R	2013-05-26 14:50:58.951	["Deleted Scenes","Behind the Scenes"]	'abandon-19' 'action-8' 'beaut-4' 'corbex-14' 'epic-5' 'fun-20' 'house-21' 'human-2' 'monkey-16' 'musf-13' 'tale-1' 'student-11'
2000	1	5	0.99	175	16.99	PG	2013-05-26 14:50:58.951	["Fakes,Commentaries","Deleted Scenes","Behind the Scenes"]	'beaf-11' 'compar-14' 'tossout-8' 'jumpy-2' 'huxter-16' 'musf-13' 'sage-5' 'shak-19' 'wepf-11' 'wepf-20' 'beaf-4'
2000	1	4	2.99	90	17.99	R	2013-05-26 14:50:58.951	["Commentaries","Behind the Scenes"]	'incient-21' 'sow-19' 'display-5' 'paper-22' 'musf-8,12,18' 'musf-15' 'northwest-2' 'outgun-16' 'scenari-8,13' 'unbelie-4' 'wepf-1'
2000	1	7	0.99	52	11.99	NC-17	2013-05-26 14:50:58.951	["Commentaries","Deleted Scenes"]	'incient-18' 'boy-16' 'butter-8' 'chase-19' 'face-14' 'hubbard-11' 'hacktur-4' 'musf-13' 'hubbard-2' 'tale-5' 'westward-1'
2000	1	4	4.99	75	12.99	PG	2013-05-26 14:50:58.951	["Commentaries","Deleted Scenes","Behind the Scenes"]	'coldblood-2' 'woscon-21' 'dentat-14' 'display-5' 'grf-11' 'hacktur-4' 'musf-13' 'wepf-20' 'notat-8' 'suno-16' 'wepf-1' 'wester-17'
2000	1	7	2.99	50	16.99	NC-17	2013-05-26 14:50:58.951	["Fakes","Deleted Scenes"]	'wepf-1' 'beaut-4' 'baloon-19' 'car-11' 'factor-20' 'hole-2' 'lumberjack-8,16' 'musf-13' 'reflect-5' 'sok-14'
2000	1	5	4.99	82	16.99	NC-17	2013-05-26 14:50:58.951	["Commentaries","Deleted Scenes","Behind the Scenes"]	'wepf-11' 'we-5' 'we-magf-4' 'beaf-25' 'chf-11' 'ghett-2' 'wepf-8' 'musf-16' 'woscon-17' 'pinner-19' 'reflect-7' 'suno-19' 'teacher-14' 'v-24' 'v-boaf-23' 'wester-20'
2000	1	5	4.99	153	23.99	NC-17	2013-05-26 14:50:58.951	["Commentaries"]	'abandon-21' 'beaf-1' 'beaf-4' 'chancf-5' 'feminist-18' 'grf-13' 'half-2' 'inwe-22' 'musf-15' 'outgun-16' 'wepf-23' 'shak-10' 'stud-6'
2000	1	6	0.99	125	21.99	NC-17	2013-05-26 14:50:58.951	["Deleted Scenes"]	'beaf-1' 'canadiar-19' 'conquer-14' 'drama-5' 'forn-4' 'moss-8' 'musf-13' 'pinner-16' 'rock-20' 'shewshank-2' 'suno-11'
2000	1	6	4.99	60	16.99	PG	2013-05-26 14:50:58.951	["Deleted Scenes","Behind the Scenes"]	'scenari-18' 'beaut-4' 'boy-8' 'chancf-5' 'blow-1' 'blow-1' 'document-5' 'musf-13' 'notat-11' 'wepf-18' 'wepf-2'
2000	1	5	4.99	124	20.99	G	2013-05-26 14:50:58.951	["Fakes,Commentaries","Behind the Scenes"]	'incient-19' 'behavior-2' 'butter-13' 'car-17' 'chancf-5' '1' 'document-5' 'epic-4' 'trider-20' 'tal-15' 'musf-14' 'suno-8' 'wester-9'
2000	1	4	4.99	56	20.99	G	2013-05-26 14:50:58.951	["Fakes,Commentaries","Behind the Scenes"]	'compar-14' 'tossout-8,11' 'wepf-11' 'drama-5' 'wepf-16' 'geopir-19' 'musf-13' 'scenari-2' 'wepf-16' 'beaf-4'
2000	1	7	0.99	176	26.99	G	2013-05-26 14:50:58.951	["Commentaries"]	'abandon-19' 'tal-11' 'croyed-2' 'wepf-1' 'feminist-8' 'find-14' 'trider-16' 'fun-20' 'house-21' 'musf-13' 'reflect-5' 'wepf-4'
2000	1	3	0.99	91	13.99	R	2013-05-26 14:50:58.951	["Fakes,Commentaries","Deleted Scenes","Behind the Scenes"]	'wepf-14' 'fight-1' 'grf-11,16' 'wepf-4' 'jacoback-2' 'manhattan-19' 'musf-13' 'panorama-5' 'vorthous-20' 'woman-8'
2000	1	3	4.99	123	21.99	NC-17	2013-05-26 14:50:58.951	["Fakes,Commentaries","Behind the Scenes"]	'beaut-4' 'chase-15' 'chf-12' 'lead-1' 'guft-20' 'measur-22' 'moss-8' 'musf-14' 'pinner-11' 'sage-5' 'student-17' 'we-2'
2000	1	7	0.99	114	13.99	G	2013-05-26 14:50:58.951	["Fakes,Commentaries"]	'conquer-14' 'tossout-16' 'tale-4' 'feminist-11' 'ghett-1' 'man-8' 'manhattan-19' 'musf-13' 'pinner-2' 'penthour-20' 'tale-5'
2000	1	4	4.99	56	22.99	PG	2013-05-26 14:50:58.951	["Deleted Scenes"]	'baloon-20' 'cow-17' 'dog-8' 'wepf-11' 'factor-21' 'goodfella-1' 'musf-16' 'musf-13' 'beaf-2' 'sok-14' 'tale-5' 'unbelie-4'
2000	1	6	2.99	100	23.99	G	2013-05-26 14:50:58.951	["Deleted Scenes"]	'action-5' 'action-pack-4' 'incient-21' 'feminist-13' 'forn-18' 'happi-1' 'hubbard-10' 'paper-22' 'musf-16' 'musf-15' 'pack-6' 'panorama-7' 'psychologist-19' 'unt-2'
2000	1	4	0.99	126	26.99	NC-17	2013-05-26 14:50:58.951	["Fakes,Commentaries","Deleted Scenes","Behind the Scenes"]	'abandon-21' 'action-18' 'fun-22' 'house-23' 'indian-1' 'wepf-4' 'tal-16' 'we-2' 'musf-8,12' 'musf-15' 'sage-5' 'scenari-8,13'
2000	1	4	2.99	58	22.99	PG	2013-05-26 14:50:58.951	["Commentaries","Deleted Scenes","Behind the Scenes"]	'action-21' 'wepf-5' 'forn-4' 'forn-12' 'pinner-2' 'pinner-1' 'tal-14' 'musf-13' 'shak-19' 'student-8' 'tark-20' 'wester-16'
2000	1	6	4.99	60	16.99	PG	2013-05-26 14:50:58.951	["Deleted Scenes","Behind the Scenes"]	'incient-19' 'cow-12' 'document-5' 'feminist-17' 'find-15' 'paper-20' 'pinner-1' 'hacktur-4' 'musf-11' 'madman-8' 'musf-14' 'sage-2'
2000	1	5	4.99	140	10.99	PG	2013-05-26 14:50:58.951	["Commentaries","Behind the Scenes"]	'beaf-4' 'canadiar-20' 'drama-5' 'wepf-12' 'baloon-1' 'musf-14' 'wester-15' 'rock-21' 'shak-9' 'weat-2' 'wester-17'
2000	1	7	2.99	97	10.99	PG-13	2013-05-26 14:50:58.951	["Fakes,Commentaries","Behind the Scenes"]	'beaf-24' 'chancf-5' 'find-16' 'we-2' 'forn-18' 'hacktur-4' 'huff-1' 'man-13' 'musf-15' 'psychologist-19' 'shak-10' 'stud-6' 'v-23' 'v-boaf-20'
2000	1	6	2.99	74	22.99	NC-17	2013-05-26 14:50:58.951	["Fakes,Commentaries"]	'wepf-2' 'baloon-22' 'dentat-16' 'tal-5' 'test-pack-4' 'forn-18' 'huxter-13' 'magf-1' 'musf-15' 'pace-6' 'psychologist-19' 'reflect-7' 'wester-10'
2000	1	4	0.99	133	20.99	PG	2013-05-26 14:50:58.951	["Fakes,Commentaries","Deleted Scenes"]	'dentat-11' 'find-14' 'huxter-16' 'malt-1' 'monasist-19' 'musf-13' 'wepf-4' 'wepf-2' 'wester-8' 'year-5'
2000	1	6	2.99	123	26.99	NC-17	2013-05-26 14:50:58.951	["Commentaries","Deleted Scenes"]	'beaf-4' 'wester-19' 'chancf-5' 'malt-1' 'musf-15' 'musf-14' 'pinner-2' 'notat-12' 'student-9' 'stud-6' 'woman-17'
2000	1	7	0.99	101	20.99	R	2013-05-26 14:50:58.951	["Deleted Scenes","Behind the Scenes"]	'baloon-19' 'car-8' 'thampout-2' 'wepf-11' 'find-14' 'hacktur-4' 'monkey-16' 'musf-13' 'reflect-5' 'sok-1'
2000	1	6	2.99	150	17.99	PG-13	2013-05-26 14:50:58.951	["Fakes,Commentaries","Deleted Scenes"]	'beaf-4' 'hubbard-16' 'marnet-2' 'moss-11' 'musf-13' 'teach-14' 'wepf-1' 'shak-19' 'tal-5' 'tark-20' 'woman-8'
2000	1	4	2.99	60	26.99	G	2013-05-26 14:50:58.951	["Commentaries","Behind the Scenes"]	'beaf-19' 'beaf-14' 'butter-11' 'chf-17' 'drama-5' 'wepf-2' 'wepf-4' 'musf-13' 'pinner-16' 'pinner-1' 'teacher-8'
2000	1	6	2.99	178	19.99	G	2013-05-26 14:50:58.951	["Fakes,Commentaries"]	'action-5' 'action-pack-4' 'incient-21' 'action-14' 'car-19' 'cow-11' 'display-7' 'india-22' 'tal-17' 'musf-10' 'musf-16' 'pack-6' 'phantom-2' 'wester-1'
2000	1	3	0.99	82	14.99	R	2013-05-26 14:50:58.951	["Fakes","Behind the Scenes"]	'abandon-22' 'wepf-1' 'beaf-19' 'chancf-7' 'compar-11' 'dog-14' 'tal-5' 'test-pack-4' 'fun-23' 'house-24' 'musf-16' 'outgun-17' 'pinner-6' 'stud-8' 'wepf-2'
2000	1	4	0.99	148	22.99	R	2013-05-26 14:50:58.951	["Fakes,Commentaries"]	'incient-19' 'smat-1' 'beaf-15' 'beaf-4' 'databa-8' 'finton-2' 'musf-14' 'pinner-19' 'sage-5' 'wester-17' 'woman-12'
2000	1	5	2.99	170	10.99	NC-17	2013-05-26 14:50:58.951	["Fakes","Behind the Scenes"]	'wepf-1' 'wepf-18' 'wepf-14' 'coldblood-2' 'moss-11' 'musf-13' 'reflect-5' 'notat-8' 'suno-1' 'woman-16'
2000	1	7	0.99	76	14.99	NC-17	2013-05-26 14:50:58.951	["Behind the Scenes"]	'baloon-2' 'beaut-11' 'boy-11' 'tossout-8' 'dentat-14' 'tale-4' 'guft-15' 'wepf-21' 'monkey-16' 'musf-13' 'panorama-5'
2000	1	3	0.99	52	17.99	NC-17	2013-05-26 14:50:58.951	["Commentaries","Deleted Scenes"]	'we-5' 'we-magf-4' 'wepf-16' 'wepf-1' 'fight-16' 'geopir-21' 'wepf-8' 'pinner-2' 'madman-13' 'musf-15' 'notat-18' 'sok-16' 'wepf-20' 'woman-10'