





Q1.)

```
SELECT reviewer.rev_name, movie.mov_title, rating.rev_id, rating.rev_stars  
FROM reviewer, rating, movie  
WHERE reviewer.rev_id = rating.rev_id AND rating.mov_id = movie.mov_id;
```

Result Grid   Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 				
	rev_name	mov_title	rev_id	rev_stars
▶	Righty Sock	Vertigo	9001	8.40
	Jack Malvern	The Innocents	9002	7.90
	Flagrant Baronessa	Lawrence of Arabia	9003	8.30
	NULL	Blade Runner	9005	8.20
	Simon Wright	The Usual Suspects	9007	8.60
	Neal Wruck	Chinatown	9008	NULL
	Paul Monks	Boogie Nights	9009	3.00
	Mike Salvati	Annie Hall	9010	8.10
	NULL	Princess Mononoke	9011	8.40
	Righty Sock	Titanic	9001	7.70
	Josh Cates	Good Will Hunting	9014	4.00
	Scott LeBrun	Trainspotting	9016	NULL
	Vincent Cadena	Slumdog Millionaire	9018	8.00
	Brandt Sponseller	Aliens	9019	8.40
	Richard Adams	Beyond the Sea	9020	6.70
	Victor Woeltjen	Avatar	9006	7.30
	Krug Stillo	Braveheart	9015	7.70
	Sasha Goldshtein	American Beauty	9013	7.00
	Hannah Steele	Donnie Darko	9017	8.10

```
Q2a.) SELECT mov_title, rev_stars  
FROM rating, movie  
WHERE rating.mov_id = movie.mov_id;
```

Result Grid			Filter Rows:	Expo
	mov_title	rev_stars		
▶	Vertigo	8.40		
	The Innocents	7.90		
	Lawrence of Arabia	8.30		
	Blade Runner	8.20		
	The Usual Suspects	8.60		
	Chinatown	NULL		
	Boogie Nights	3.00		
	Annie Hall	8.10		
	Princess Mononoke	8.40		
	Titanic	7.70		
	Good Will Hunting	4.00		
	Trainspotting	NULL		
	Slumdog Millionaire	8.00		
	Aliens	8.40		
	Beyond the Sea	6.70		
	Avatar	7.30		
	Braveheart	7.70		
	American Beauty	7.00		
	Donnie Darko	8.10		

Q2b.)

SELECT movie.mov_title, rating.rev_stars, reviewer.rev_name

FROM rating, movie, reviewer

WHERE rating.mov_id = movie.mov_id

AND rating.rev_id = reviewer.rev_id;

Result Grid			
Filter Rows:		Export:	Wrap Cell C
mov_title	rev_stars	rev_name	
Vertigo	8.40	Righty Sock	
The Innocents	7.90	Jack Malvern	
Lawrence of Arabia	8.30	Flagrant Baronessa	
Blade Runner	8.20	NULL	
The Usual Suspects	8.60	Simon Wright	
Chinatown	NULL	Neal Wruck	
Boogie Nights	3.00	Paul Monks	
Annie Hall	8.10	Mike Salvati	
Princess Mononoke	8.40	NULL	
Titanic	7.70	Righty Sock	
Good Will Hunting	4.00	Josh Cates	
Trainspotting	NULL	Scott LeBrun	
Slumdog Millionaire	8.00	Vincent Cadena	
Aliens	8.40	Brandt Sponseller	
Beyond the Sea	6.70	Richard Adams	
Avatar	7.30	Victor Woeltjen	
Braveheart	7.70	Krug Stillo	
American Beauty	7.00	Sasha Goldshtein	
Donnie Darko	8.10	Hannah Steele	

Q2c.)

SELECT movie.mov_title, rating.rev_stars, reviewer.rev_name

FROM movie

JOIN rating ON movie.mov_id = rating.mov_id

JOIN reviewer ON rating.rev_id = reviewer.rev_id;

Result Grid			
		Filter Rows:	
		Export:	
		Wrap Cell C	
mov_title	rev_stars	rev_name	
Vertigo	8.40	Righty Sock	
The Innocents	7.90	Jack Malvern	
Lawrence of Arabia	8.30	Flagrant Baronessa	
Blade Runner	8.20	NULL	
The Usual Suspects	8.60	Simon Wright	
Chinatown	NULL	Neal Wruck	
Boogie Nights	3.00	Paul Monks	
Annie Hall	8.10	Mike Salvati	
Princess Mononoke	8.40	NULL	
Titanic	7.70	Righty Sock	
Good Will Hunting	4.00	Josh Cates	
Trainspotting	NULL	Scott LeBrun	
Slumdog Millionaire	8.00	Vincent Cadena	
Aliens	8.40	Brandt Sponseller	
Beyond the Sea	6.70	Richard Adams	
Avatar	7.30	Victor Woeltjen	
Braveheart	7.70	Krug Stillo	
American Beauty	7.00	Sasha Goldshtein	
Donnie Darko	8.10	Hannah Steele	

Q3.)

```
SELECT dir_fname, dir_lname, COUNT(movie_direction.dir_id) AS num_movies
```

```
FROM director
```

```
JOIN movie_direction ON director.dir_id = movie_direction.dir_id
```

```
GROUP BY director.dir_id, dir_fname, dir_lname
```

```
ORDER BY num_movies DESC, director.dir_id ASC;
```

	dir_fname	dir_lname	num_movies
▶	James	Cameron	2
	Danny	Boyle	2
	Alfred	Hitchcock	1
	Jack	Clayton	1
	David	Lean	1
	Michael	Cimino	1
	Milos	Forman	1
	Ridley	Scott	1
	Stanley	Kubrick	1
	Bryan	Singer	1
	Roman	Polanski	1
	Paul	Thomas ...	1
	Woody	Allen	1
	Hayao	Miyazaki	1
	Frank	Darabont	1
	Sam	Mendes	1
	Gus	Van Sant	1
	John	Boorman	1
	Christopher	Nolan	1
	Richard	Kelly	1
	Kevin	Spacey	1

Q4a.)



SELECT mov_title, mov_year, act_fname, act_lname

FROM movie, movie_cast, actor

WHERE movie.mov_id = movie_cast.mov_id

AND movie_cast.act_id = actor.act_id

AND movie.mov_year >= 1990 AND movie.mov_year <= 1999;

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: <input type="checkbox"/>				
	mov_title	mov_year	act_fname	act_lname
▶	Eyes Wide Shut	1999	Nicole	Kidman
	The Usual Suspects	1995	Stephen	Baldwin
	Boogie Nights	1997	Mark	Wahlberg
	Princess Mononoke	1997	Claire	Danes
	The Shawshank Redemption	1994	Tim	Robbins
	American Beauty	1999	Kevin	Spacey
	Titanic	1997	Kate	Winslet
	Good Will Hunting	1997	Robin	Williams
	Trainspotting	1996	Ewan	McGregor

Q4b.)



```
SELECT mov_title, mov_year, act_fname, act_lname
```

```
FROM movie
```

```
JOIN movie_cast ON movie.mov_id = movie_cast.mov_id
```

```
JOIN actor ON movie_cast.act_id = actor.act_id
```

```
AND movie.mov_year >= 1990 AND movie.mov_year <= 1999;
```

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: <input checked="" type="checkbox"/>				
	mov_title	mov_year	act_fname	act_lname
▶	Eyes Wide Shut	1999	Nicole	Kidman
	The Usual Suspects	1995	Stephen	Baldwin
	Boogie Nights	1997	Mark	Wahlberg
	Princess Mononoke	1997	Claire	Danes
	The Shawshank Redemption	1994	Tim	Robbins
	American Beauty	1999	Kevin	Spacey
	Titanic	1997	Kate	Winslet
	Good Will Hunting	1997	Robin	Williams
	Trainspotting	1996	Ewan	McGregor

Q5a.)

```
SELECT mov_title, mov_year, act_fname, act_lname, role
```

```
FROM movie, movie_cast, actor
```

WHERE movie.mov_id = movie_cast.mov_id

AND movie_cast.act_id = actor.act_id

AND movie.mov_year >= 1990 AND movie.mov_year <= 1999;

Result Grid					
Filter Rows:		Export:		Wrap Cell Content:	
	mov_title	mov_year	act_fname	act_lname	role
▶	Eyes Wide Shut	1999	Nicole	Kidman	Alice Harford
	The Usual Suspects	1995	Stephen	Baldwin	McManus
	Boogie Nights	1997	Mark	Wahlberg	Eddie Adams
	Princess Mononoke	1997	Claire	Danes	San
	The Shawshank Redemption	1994	Tim	Robbins	Andy Dufresne
	American Beauty	1999	Kevin	Spacey	Lester Burnham
	Titanic	1997	Kate	Winslet	Rose DeWitt Bukater
	Good Will Hunting	1997	Robin	Williams	Sean Maguire
	Trainspotting	1996	Ewan	McGregor	Renton

Q5b.)

SELECT mov_title, mov_year, act_fname, act_lname, role

FROM movie

JOIN movie_cast ON movie.mov_id = movie_cast.mov_id

JOIN actor ON movie_cast.act_id = actor.act_id

AND movie.mov_year >= 1990 AND movie.mov_year <= 1999;

6

Result Grid Filter Rows: <input type="text"/> Export: Wrap Cell Content:					
	mov_title	mov_year	act_fname	act_lname	role
▶	Eyes Wide Shut	1999	Nicole	Kidman	Alice Harford
	The Usual Suspects	1995	Stephen	Baldwin	McManus
	Boogie Nights	1997	Mark	Wahlberg	Eddie Adams
	Princess Mononoke	1997	Claire	Danes	San
	The Shawshank Redemption	1994	Tim	Robbins	Andy Dufresne
	American Beauty	1999	Kevin	Spacey	Lester Burnham
	Titanic	1997	Kate	Winslet	Rose DeWitt Bukater
	Good Will Hunting	1997	Robin	Williams	Sean Maguire
	Trainspotting	1996	Ewan	McGregor	Renton

Q6a.)

```

SELECT movie.mov_title, movie.mov_year, actor.act_fname, actor.act_lname, movie_cast.role,
director.dir_fname, director.dir_lname
FROM movie, movie_cast, actor, movie_direction, director
WHERE movie.mov_id = movie_cast.mov_id
AND actor.act_id = movie_cast.act_id
AND movie_direction.mov_id = movie.mov_id
AND movie_direction.dir_id = director.dir_id
AND movie.mov_year >= 1990 AND movie.mov_year <= 1999
ORDER BY movie.mov_year ASC, movie.mov_title ASC;

```

Result Grid Filter Rows: <input type="text"/> Export: Wrap Cell Content:							
	mov_title	mov_year	act_fname	act_lname	role	dir_fname	dir_lname
▶	The Shawshank Redemption	1994	Tim	Robbins	Andy Dufresne	Frank	Darabont
	The Usual Suspects	1995	Stephen	Baldwin	McManus	Bryan	Singer
	Trainspotting	1996	Ewan	McGregor	Renton	Danny	Boyle
	Boogie Nights	1997	Mark	Wahlberg	Eddie Adams	Paul	Thomas Anderson
	Good Will Hunting	1997	Robin	Williams	Sean Maguire	Gus	Van Sant
	Princess Mononoke	1997	Claire	Danes	San	Hayao	Miyazaki
	Titanic	1997	Kate	Winslet	Rose DeWitt Bukater	James	Cameron
	American Beauty	1999	Kevin	Spacey	Lester Burnham	Sam	Mendes
	Eyes Wide Shut	1999	Nicole	Kidman	Alice Harford	Stanley	Kubrick

Q6b.)

```
SELECT mov_title, mov_year, act_fname, act_lname, role, director.dir_fname,
director.dir_lname
FROM movie
JOIN movie_cast ON movie.mov_id = movie_cast.mov_id
JOIN actor ON movie_cast.act_id = actor.act_id
JOIN movie_direction ON movie.mov_id = movie_direction.mov_id
JOIN director ON movie_direction.dir_id = director.dir_id
AND movie.mov_year >= 1990 AND movie.mov_year <= 1999
ORDER BY mov_year ASC, mov_title ASC;
```

mov_title	mov_year	act_fname	act_lname	role	dir_fname	dir_lname
The Shawshank Redemption	1994	Tim	Robbins	Andy Dufresne	Frank	Darabont
The Usual Suspects	1995	Stephen	Baldwin	McManus	Bryan	Singer
Trainspotting	1996	Ewan	McGregor	Renton	Danny	Boyle
Boogie Nights	1997	Mark	Wahlberg	Eddie Adams	Paul	Thomas Anderson
Good Will Hunting	1997	Robin	Williams	Sean Maguire	Gus	Van Sant
Princess Mononoke	1997	Claire	Danes	San	Hayao	Miyazaki
Titanic	1997	Kate	Winslet	Rose DeWitt Bukater	James	Cameron
American Beauty	1999	Kevin	Spacey	Lester Burnham	Sam	Mendes
Eyes Wide Shut	1999	Nicole	Kidman	Alice Harford	Stanley	Kubrick

Q7.)SELECT movie.mov_title, genre.gen_title

FROM movie

JOIN rating ON movie.mov_id = rating.mov_id

JOIN movie_genre ON movie.mov_id = movie_genre.mov_id

JOIN genre ON movie_genre.gen_id = genre.gen_id;

Result Grid			Filter Rows:	Export:
	mov_title	gen_title		
▶	Vertigo	Mystery		
	The Innocents	Horror		
	Lawrence of Arabia	Adventure		
	Blade Runner	Thriller		
	The Usual Suspects	Crime		
	Annie Hall	Comedy		
	Princess Mononoke	Animation		
	Trainspotting	Drama		
	Slumdog Millionaire	Drama		
	Aliens	Action		
	Beyond the Sea	Music		
	American Beauty	Romance		

Q8.)

```

SELECT genre.gen_title, AVG(rating.rev_stars) AS average_rating
FROM movie, genre, rating
WHERE movie.mov_id = rating.mov_id
GROUP BY genre.gen_title
ORDER BY average_rating DESC, genre.gen_title ASC;

```

Result Grid			Filter Rows:
	gen_title	average_rating	
▶	Action	7.400000	
	Adventure	7.400000	
	Animation	7.400000	
	Biography	7.400000	
	Comedy	7.400000	
	Crime	7.400000	
	Drama	7.400000	
	Horror	7.400000	
	Music	7.400000	
	Mystery	7.400000	
	Romance	7.400000	
	Thriller	7.400000	
	War	7.400000	

Q9.)

SELECT movie.mov_title, actor.act_fname, actor.act_lname, movie_cast.role

FROM movie

JOIN movie_cast ON movie.mov_id = movie_cast.mov_id

JOIN actor ON movie_cast.act_id = actor.act_id

JOIN director ON director.dir_fname = actor.act_fname AND director.dir_lname =
actor.act_lname;

<div> <div>Result Grid</div> <div> </div> <div> Filter Rows: <input type="text"/> </div> <div> Export: </div> <div> Wrap Cell Content: </div> </div>				
	mov_title	act_fname	act_lname	role
▶	Annie Hall	Woody	Allen	Alvy Singer
	Beyond the Sea	Kevin	Spacey	Bobby Darin
	American Beauty	Kevin	Spacey	Lester Burnham