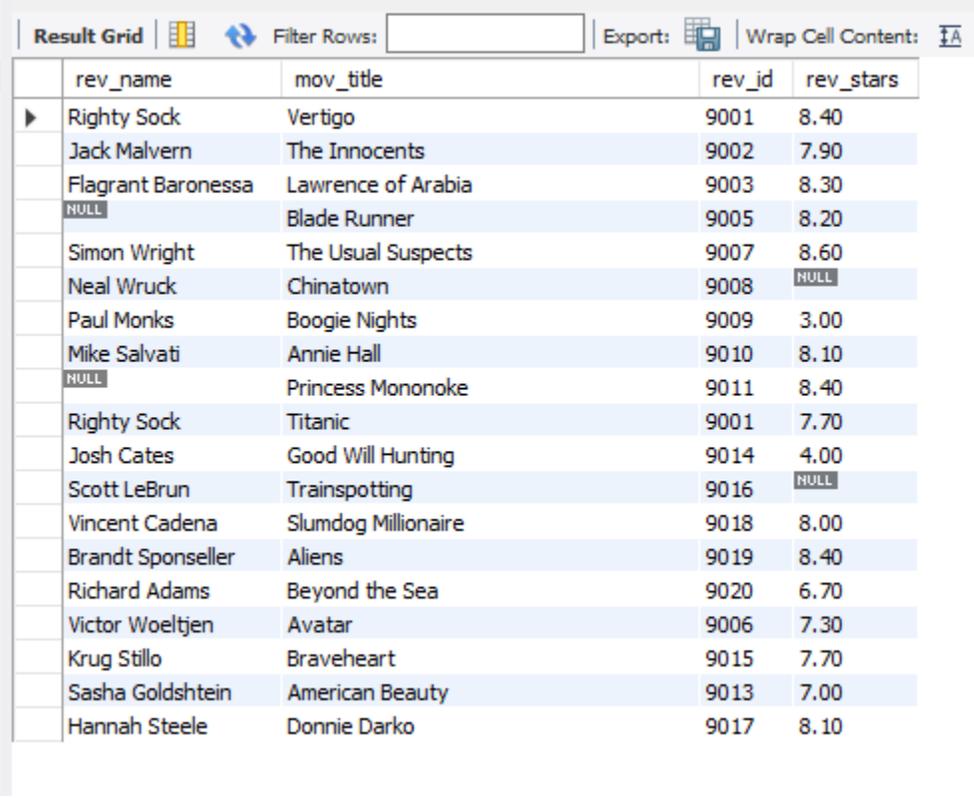


Q1.)

```
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;
```



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;
```

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;

```

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;
```

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;
```

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;
```

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.)

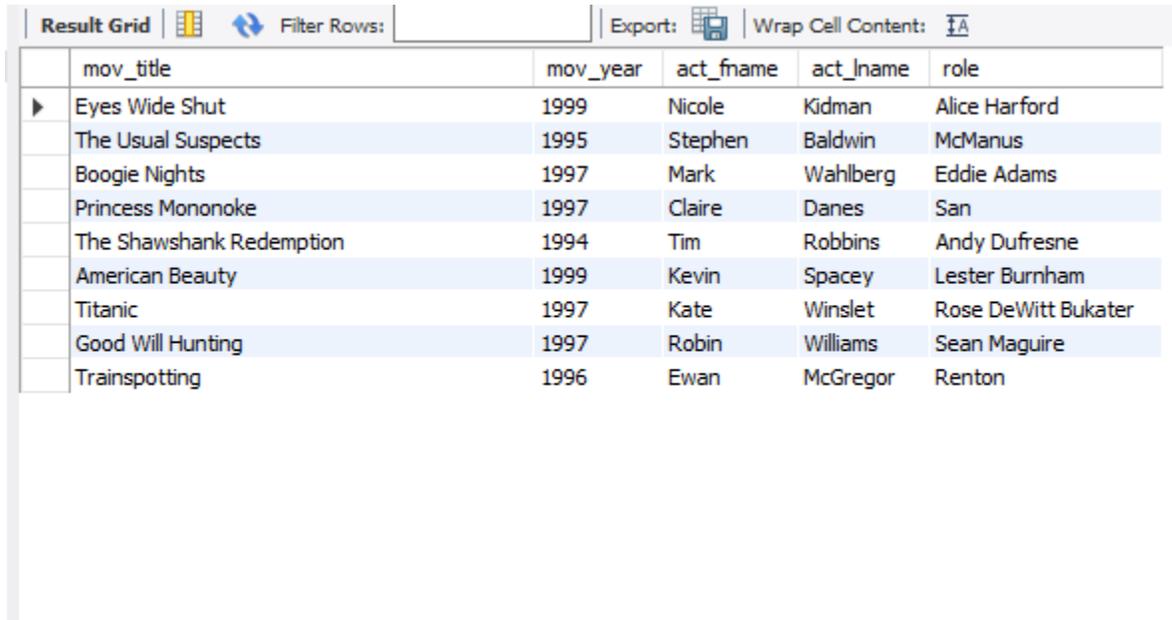
```
SELECT mov_title, mov_year, act_fname, act_lname, role
```

```
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;



The screenshot shows a database query result grid. At the top, there are controls for 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. Below these is a table with the following data:

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;

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;

```

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;
```

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		
	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;

```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	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