

Q1)

SQL 1*	
1	SELECT id, name AS director_name
2	FROM directors
3	ORDER BY director_name;
4	q2
5	

	id	director_name
1	6671	Aaron Hann
2	6252	Aaron Schneider
3	5974	Abel Ferrara
4	6247	Adam Brooks
5	6742	Adam Carolla
6	6725	Adam Goldberg
7	6738	Adam Green
8	6786	Adam Jay Epstein
9	6539	Adam Marcus
10	4925	Adam McKay
11	6508	Adam Rapp
12	5823	Adam Rifkin
13	4998	Adam Shankman
14	5209	Adrian Lyne
15	6727	Adrienne Shelly
16	6041	Agnieszka Holland
17	6443	Agnieszka Wojtowicz-Vosloo
18	5524	Agustín Díaz Yanes
19	6341	Aki Kaurismäki
20	6022	Akira Kurosawa
21	5142	Akiva Goldsman
22	5169	Akiva Schaffer
23	7017	Al Silliman Jr.
24	5935	Alain Resnais
25	6282	Alan Alda
26	5924	Alan Cohn
27	4969	Alan J. Pakula
28	6119	Alan Metter
29	5166	Alan Parker
30	5386	Alan Poul
31	6015	Alan Rudolph
32	5545	Alan Shapiro
33	6121	Alan Smithee
34	4837	Alan Taylor
35	5734	Alan Yuen
36	5877	Albert Brooks
37	5001	Albert Hughes
38	5314	Alejandro Agresti
39	5076	Alejandro Amenábar
40	4874	Alejandro González Iñárritu


Q2)

SQL 1*		
1	-- Q2: Popular Movies	
2	-- Find the titles of all movies with a popularity score greater than 5	
3	SELECT	
4	title,	
5	popularity	
6	FROM movies	
7	WHERE popularity > 5	
8	ORDER BY popularity DESC;	
9		
10		
	title	popularity
1	Minions	875
2	Interstellar	724
3	Deadpool	514
4	Guardians of the Galaxy	481
5	Mad Max: Fury Road	434
6	Jurassic World	418
7	Pirates of the Caribbean: The Curse ...	271
8	Dawn of the Planet of the Apes	243
9	The Hunger Games: Mockingjay - Part 1	206
10	Big Hero 6	203
11	Terminator Genisys	202
12	Captain America: Civil War	198
13	Whiplash	192
14	The Dark Knight	187
15	Inception	167
16	The Martian	167
17	Frozen	165
18	Batman v Superman: Dawn of Justice	155
19	Avatar	150
20	Fight Club	146
21	Pirates of the Caribbean: Dead Man's...	145
22	The Imitation Game	145
23	The Avengers	144
24	Teenage Mutant Ninja Turtles	143
25	Gone Girl	143
26	The Godfather	143
27	Pixels	140
28	Pirates of the Caribbean: At World's...	139
29	X-Men: Apocalypse	139
30	Fury	139
31	The Lord of the Rings: The Fellowshi...	138
32	Rise of the Planet of the Apes	138
33	Forrest Gump	138
34	Despicable Me 2	136
35	The Shawshank Redemption	136
36	Pirates of the Caribbean: On Strange...	135
37	Avengers: Age of Ultron	134

Q3)

SQL 1*		
1	-- Q3: Directors in the Directing department with gender = 2	
2	SELECT	
3	id,	
4	name AS director_name	
5	FROM directors	
6	WHERE department = 'Directing'	
7	AND gender = 2;	
8		
9		
10		
	id	director_name
1	4762	James Cameron
2	4763	Gore Verbinski
3	4764	Sam Mendes
4	4765	Christopher Nolan
5	4766	Andrew Stanton
6	4767	Sam Raimi
7	4768	Byron Howard
8	4769	Joss Whedon
9	4770	David Yates
10	4771	Zack Snyder
11	4772	Bryan Singer
12	4773	Marc Forster
13	4774	Andrew Adamson
14	4775	Rob Marshall
15	4776	Barry Sonnenfeld
16	4777	Peter Jackson
17	4778	Marc Webb
18	4779	Ridley Scott
19	4781	Anthony Russo
20	4782	Peter Berg
21	4783	Colin Trevorrow
22	4784	Shane Black
23	4785	Tim Burton
24	4786	Brett Ratner
25	4787	Dan Scanlon
26	4788	Michael Bay
27	4789	Joseph Kosinski
28	4790	John Lasseter
29	4791	Martin Campbell
30	4792	Lee Unkrich
31	4793	McG
32	4794	James Wan
33	4795	J.J. Abrams
34	4796	Baz Luhrmann
35	4797	Mike Newell
36	4798	Guillermo del Toro
37	4799	Steven Spielberg

Q4)

SQL 1* 		
1	-- Q4: Directors with 'Sam' in their name	
2	SELECT	
3	id,	
4	name AS director_name	
5	FROM directors	
6	WHERE name LIKE '%Sam%'	
7	ORDER BY director_name;	
8		
9		
10		
	id	director_name
1	5174	Karyn Kusama
2	5118	Sam Fell
3	6974	Sam Firstenberg
4	6480	Sam Levinson
5	4764	Sam Mendes
6	5948	Sam Miller
7	6314	Sam Peckinpah
8	4767	Sam Raimi
9	5305	Sam Taylor-Johnson
10	5160	Sam Weisman
11	6297	Sammo Hung

Q5)

SQL 1*

```
1  -- Q5: First 10 Movies by Release Date
2  SELECT
3      id,
4      title,
5      release_date
6  FROM movies
7  ORDER BY release_date ASC
8  LIMIT 10;
```

	id	title	release_date
1	48189	Intolerance	1916-09-04
2	48258	The Big Parade	1925-11-05
3	46235	Metropolis	1927-01-10
4	48054	Pandora's Box	1929-01-30
5	48191	The Broadway Melody	1929-02-08
6	47401	Hell's Angels	1930-11-15
7	47208	A Farewell to Arms	1932-12-08
8	48167	42nd Street	1933-02-02
9	48270	She Done Him Wrong	1933-02-09
10	48201	It Happened One Night	1934-02-22

Q6)

SQL 1*

```
1  -- Q6: 'Star' Movies with High Ratings
2  SELECT
3      id,
4      title,
5      vote_average,
6      release_date
7  FROM movies
8  WHERE title LIKE '%Star%'
9         AND vote_average > 7
10 ORDER BY vote_average DESC, title;
11
12
```

	id	title	vote_average	release_date
1	46509	Star Wars	8.1	1977-05-25
2	46805	Star Wars: Clone Wars: Volume 1	8.0	2005-03-21
3	46435	The Fault in Our Stars	7.6	2014-05-16
4	47960	20 Feet from Stardom	7.4	2013-06-14
5	43755	Star Trek	7.4	2009-05-06
6	43644	Star Trek Into Darkness	7.4	2013-05-05
7	46412	Star Trek II: The Wrath of Khan	7.3	1982-06-03
8	43826	Star Wars: Episode III - Revenge of ...	7.1	2005-05-17
9	44188	Stardust	7.1	2007-08-09

Q7)

SQL 1*				
1	-- Q7: Movies with Limited Revenue (1995-2000)			
2	SELECT			
3	id,			
4	title,			
5	release_date,			
6	revenue			
7	FROM movies			
8	WHERE release_date BETWEEN '1995-01-01' AND '2000-12-31'			
9	AND revenue <= 10000000			
10	ORDER BY release_date, title;			
11				
12				
	id	title	release_date	revenue
30	44330	Up Close & Personal	1996-03-01	0
31	47592	The Dress	1996-03-21	0
32	46470	Girl 6	1996-03-22	4939939
33	44898	Sgt. Bilko	1996-03-29	0
34	46371	Faithful	1996-04-03	9789900
35	48206	When the Cat's Away	1996-04-03	0
36	46841	A Thin Line Between Love and Hate	1996-04-04	0
37	46864	The Pallbearer	1996-05-03	0
38	45935	Spy Hard	1996-05-24	0
39	46243	Silent Trigger	1996-06-26	76382
40	46345	Harriet the Spy	1996-07-10	0
41	47962	Walking and Talking	1996-07-17	0
42	44682	Multiplicity	1996-07-19	0
43	45497	The Adventures of Pinocchio	1996-07-26	0
44	48237	Love and Other Catastrophes	1996-08-01	0
45	47531	Basquiat	1996-08-09	3011195
46	45901	Kansas City	1996-08-16	0
47	47541	Freeway	1996-08-23	0
48	47434	She's the One	1996-08-26	9482579
49	45116	Bogus	1996-09-06	0
50	47241	Albino Alligator	1996-09-09	0
51	47523	Kama Sutra - A Tale of Love	1996-09-11	4109095
52	47297	Bound	1996-09-13	7011317
53	45400	Blood and Wine	1996-10-03	0
54	44681	The Glimmer Man	1996-10-04	0
55	47868	Trees Lounge	1996-10-11	0
56	47634	Get on the Bus	1996-10-16	5731103
57	48268	Swingers	1996-10-18	4505922
58	46289	Thinner	1996-10-25	0
59	44725	The Mirror Has Two Faces	1996-11-15	0
60	45814	Everyone Says I Love You	1996-12-06	0
61	46418	Beavis and Butt-Head Do America	1996-12-15	0
62	45601	Marvin's Room	1996-12-18	0
63	44946	Ghosts of Mississippi	1996-12-20	0
64	45659	My Fellow Americans	1996-12-20	0
65	45970	Hamlet	1996-12-25	0

Q8)

SQL 1*	
1	-- Q8: Directors with Specific 'uid' Values
2	SELECT DISTINCT
3	d.name AS director_name,
4	m.uid
5	FROM movies m
6	JOIN directors d
7	ON m.director_id = d.id
8	WHERE m.uid > 7000
9	OR m.uid < 100
10	ORDER BY m.uid;
11	
12	

	director_name	uid
1	Allison Anders	5
2	George Lucas	11
3	Andrew Stanton	12
4	Robert Zemeckis	13
5	Sam Mendes	14
6	Lars von Trier	16
7	Luc Besson	18
8	Fritz Lang	19
9	Isabel Coixet	20
10	Gore Verbinski	22
11	Quentin Tarantino	24
12	Sam Mendes	25
13	Francis Ford Coppola	28
14	Clint Eastwood	33
15	David Silverman	35
16	Michel Gondry	38
17	Alejandro González Iñárritu	55
18	Gore Verbinski	58
19	David Cronenberg	59
20	Stanley Kubrick	62
21	Curtis Hanson	65
22	Clint Eastwood	66
23	Terry Gilliam	68
24	James Mangold	69
25	Clint Eastwood	70
26	Stephen Daldry	71
27	Tony Kaye	73
28	Steven Spielberg	74
29	Tim Burton	75
30	Richard Linklater	76
31	Christopher Nolan	77
32	Ridley Scott	78
33	Zhang Yimou	79
34	Richard Linklater	80
35	Chris Kentis	83
36	Steven Spielberg	85

Q9)

SQL 1*

```
1  -- Q9: Movies with Specific Vote Counts and Vote Average
2  SELECT
3      id,
4      title,
5      vote_count,
6      vote_average
7  FROM movies
8  WHERE vote_count BETWEEN 50 AND 100
9      AND vote_average = 7.0
10 ORDER BY title;
11
12
```

	id	title	vote_count	vote_average
1	46681	A Better Life	54	7.0
2	45509	Angela's Ashes	59	7.0
3	46869	Another Year	97	7.0
4	47661	Elling	51	7.0
5	48108	Fireproof	100	7.0
6	46826	Quo Vadis	63	7.0
7	46796	Red Riding: In the Year of Our Lord ...	54	7.0
8	47301	Salvador	71	7.0
9	47588	The Black Stallion	59	7.0

Q10)

SQL 1*

```
1  -- Q10: Directors Named 'John' with Specific uid Values
2  SELECT DISTINCT
3      d.name AS director_name,
4      m.uid
5  FROM movies m
6  JOIN directors d
7      ON m.director_id = d.id
8  WHERE d.name LIKE '%John%'
9      AND m.uid > 5000
10     AND m.uid < 10000
11 ORDER BY d.name, m.uid;
```

	director_name	uid
1	Clark Johnson	5820
2	Clark Johnson	9257
3	Joe Johnston	7978
4	John A. Davis	9906
5	John Bonito	8975
6	John Carney	5723
7	John Carpenter	6978
8	John Carpenter	8337
9	John Carpenter	9945
10	John Cornell	9396
11	John Dahl	8141
12	John Fortenberry	9429
13	John Frankenheimer	8195
14	John Frankenheimer	9306
15	John Gray	9625
16	John Hamburg	5966
17	John Landis	8469
18	John Maybury	9667
19	John McTiernan	9096
20	John McTiernan	9593
21	John Milius	9387
22	John Moore	8007
23	John R. Leonetti	9823
24	John Singleton	8291
25	John Singleton	8292
26	John Stockwell	9266
27	John Sturges	5925
28	John Whitesell	9969
29	John Woo	9208
30	John Woo	9620
31	Kenneth Johnson	8854

Q11)

SQL 1*				
1	-- Q11: Movies with Odd uid and Even Vote Count			
2	SELECT			
3	id,			
4	title,			
5	uid,			
6	vote_count			
7	FROM movies			
8	WHERE (uid % 2) = 1 -- odd uid			
9	AND (vote_count % 2) = 0 -- even vote_count			
10	AND vote_count > 500			
11	ORDER BY vote_count DESC, title;			
12				
13				
	id	title	uid	vote_count
1	43693	Inception	27205	13752
2	43662	The Dark Knight	155	12002
3	43597	Avatar	19995	11800
4	43628	Iron Man 3	68721	8806
5	43625	Jurassic World	135397	8662
6	43622	Titanic	597	7562
7	43669	Suicide Squad	297761	7458
8	43867	The Martian	286217	7268
9	43794	Harry Potter and the Philosopher's ...	671	7006
10	46509	Star Wars	11	6624
11	44168	Inglourious Basterds	16869	6430
12	43773	The Revenant	281957	6396
13	43654	WALL·E	10681	6296
14	43643	X-Men: Days of Future Past	127585	6032
15	43828	Monsters, Inc.	585	5996
16	43779	Ant-Man	102899	5880
17	44290	Gone Girl	210577	5862
18	43797	The Hunger Games: Mockingjay - Part 1	131631	5584
19	43710	Harry Potter and the Order of the ...	675	5494
20	44091	The Lion King	8587	5376
21	43817	Prometheus	70981	5080
22	44225	Saving Private Ryan	857	5048
23	43614	Pirates of the Caribbean: On Strange...	1865	4948
24	43671	Edge of Tomorrow	137113	4858
25	44272	Jurassic Park	329	4856
26	43616	The Hobbit: The Battle of the Five ...	122917	4760
27	45668	Silver Linings Playbook	82693	4742
28	43755	Star Trek	13475	4518
29	43598	Pirates of the Caribbean: At World's...	285	4500
30	43678	Maleficent	102651	4496
31	43599	Spectre	206647	4466
32	43830	Star Wars: Episode I - The Phantom ...	1893	4432
33	43939	Men in Black	607	4412
34	43641	Furious 7	168259	4176
35	43826	Star Wars: Episode III - Revenge of ...	1895	4116
36	44287	The Green Mile	497	4048

Q12)

```
SQL 1* x
1  -- Q12: Movies with Specific Ratings or Budgets
2  SELECT
3      id,
4      title,
5      vote_average,
6      vote_count,
7      budget
8  FROM movies
9  WHERE (vote_average BETWEEN 6.0 AND 8.0 AND vote_count = 200)
10     OR (budget > 100000 AND budget < 500000)
11  ORDER BY title;
12
13
```

	id	title	vote_average	vote_count	budget
1	48199	12 Angry Men	8.2	2078	350000
2	48167	42nd Street	6.1	37	439000
3	48315	A Dog's Breakfast	5.9	24	120000
4	48269	A Fistful of Dollars	7.6	883	200000
5	48234	American Desi	5.0	4	250000
6	48223	Anderson's Cross	0.0	0	300000
7	48214	Ayurveda: Art of Being	5.5	3	300000
8	48261	Bronson	6.9	733	230000
9	48263	Burn	6.9	6	225000
10	48228	Chasing Amy	6.7	433	250000
11	48292	Children of Heaven	7.8	112	180000
12	47035	Control	7.5	200	0
13	48164	Conversations with Other Women	6.2	38	450000
14	48236	Cube	6.9	1069	250000
15	48220	Death Race 2000	5.9	124	300000
16	48395	El Mariachi	6.6	238	220000
17	48216	First Love, Last Rites	3.0	1	300000
18	46006	Halloween	7.4	1035	300000
19	48251	Ink	6.4	101	250000
20	48189	Intolerance	7.4	60	385907
21	48201	It Happened One Night	7.7	275	325000
22	48240	Like Crazy	6.4	381	250000
23	48229	Lovely & Amazing	6.3	23	250000
24	48267	Mad Max	6.6	1213	400000
25	48277	Malevolence	4.9	14	450000
26	48169	Metropolitan	7.0	38	225000
27	48176	Monty Python and the Holy Grail	7.8	1708	400000
28	48195	Murderball	6.9	23	300000
29	48172	Napoleon Dynamite	6.7	554	400000
30	47334	Night of the Living Dead	7.5	580	114000
31	48209	Old Joy	6.3	36	300000
32	48301	Once	7.3	453	160000
33	48111	Open Water	5.4	315	130000
34	48207	Pieces of April	6.4	64	300000
35	48212	Pierrot le Fou	7.6	127	300000
36	48210	Reagan & Me	7.4	80	160000