SQL Scripts used in homework task shown below:

```
# display existing databases
SHOW DATABASES;
CREATE DATABASE movies;
USE movies;

CREATE TABLE movie_list(
movie_id INT NOT NULL,
title VARCHAR (20) NOT NULL,
release_date VARCHAR (20) NOT NULL,
genre  VARCHAR (20) NOT NULL,
actor_id INT NOT NULL,
lead_actor VARCHAR (20) NOT NULL,
PRIMARY KEY (movie_id)
);
EXPLAIN movie_list;

ALTER TABLE movie_list
ADD COLUMN languages VARCHAR (20) NOT NULL;

ALTER TABLE movie_list
ADD COLUMN country VARCHAR (20) NOT NULL;

EXPLAIN movie_list;

ALTER TABLE movie_list
DROP COLUMN  languages;

ALTER TABLE movie_list
DROP COLUMN country;
```

```
ALTER TABLE movie_list
MODIFY actor_id INT;

EXPLAIN movie_list;

INSERT INTO movie_list (movie_id, title,release_date,genre,      actor_id, lead_actor)
VALUES (1,'Adventure Squirrels',          '15/02/2016',   'Drama',          18,      'Jim Tickle'),
(2        ,'Too Many Balloons',   '15/09/2016',   'Crime'  ,2       ,'Phil Stump'),
(3        ,'That Not Cheese',     '26/01/2016'    ,'Drama',         12       ,'Justin Groove'),
(4        ,'Sugar Rush',   '11/11/2016'    ,'Comedy'         ,4       ,'Karen Trout'),
(5        ,'Grandma Laughing?',   '29/08/2016'    ,'Mystery',       12,      'Yulia Velasquez'),
(6        ,'Luke Warm Soup',      '15/04/2016'    ,'Horror' ,6,     'Skeeter McGavin'),
(7        ,'Clown Parade III',    '01/06/2016'    ,'Comedy',        15,      'Stan Pancake'),
(8        ,'Gene Genes',   '11/08/2016',   'Sci-Fi'  ,14,     'Randy Killnose'),
(9        ,'A Hard Day Night',    '22/05/1964',   'Comedy',         9,       'Paul McCartney'),
(10       ,'Goldfinger',   '29/05/1964','Action',   10       ,'Honor Blackman'),
(11       ,'Mary Poppins','21/03/1964',   'Comedy'          ,13,     'Ed Wynn');

INSERT INTO movie_list (movie_id, title,release_date,genre,      actor_id, lead_actor)
VALUES (12,'Testing moves',     '15/02/2005',   'Drama',          18,      'Tim Tom');

SELECT * FROM movie_list;



UPDATE movie_list
SET release_date = '01/06/2010'
WHERE movie_id = 7;

SELECT * FROM movie_list;
```

```
DELETE FROM movie_list
WHERE movie_id ='2';

SELECT * FROM movie_list;

SELECT title, release_date FROM movie_list;

SELECT * FROM movie_list
WHERE movie_id = 3;

SELECT * FROM movie_list ORDER BY release_date;

SELECT title, genre FROM movie_list
ORDER BY title, genre;

CREATE TABLE actor_list(
actor_id INT NOT NULL,
lead_actor VARCHAR (20) NOT NULL,
director_name VARCHAR (20) NOT NULL,
gross_revenue DECIMAL(6, 2),
PRIMARY KEY (actor_id)

);

#display columns names /objects in the actor table
EXPLAIN actor_list;

INSERT INTO actor_list(actor_id,lead_actor,director_name,gross_revenue)
VALUES(3,'Jim Tickle','Lloyd Christmas',1200.25),
(7        ,'Justin Groove','Justin Groove'   ,3450.45),
(4        ,'Karen Trout',   'Karen Trout',    2808.00),
```

```
(21      ,'Yulia Velasquez',        'Purd Haply',     1700.00),
(6       ,'Skeeter McGavin',        'Nick Winkle',    3000.00),
(15      ,'Stan Pancake', 'Todd Waffle',    3250.00),
(8       ,'Randy Killnose',         'August Clementine',     1980.00),
(9       ,'Paul McCartney',         'Richard Lester',5150.05),
(10      ,'Honor Blackman',         'Guy Hamilton', 5110.00);


INSERT INTO actor_list(actor_id,lead_actor,director_name,gross_revenue)
VALUES(35,'Ava Moses','Magna Williams',1799.25);

INSERT INTO actor_list(actor_id,lead_actor,director_name,gross_revenue)
VALUES(3,'Jim Tickle','Lloyd Christmas',1200.25),
(16      ,'Justin Groove','Justin Groove'  ,3450.45),
(44      ,'Karen Trout',   'Karen Trout',    2808.00),
(2       ,'Yulia Velasquez',        'Purd Haply',     1700.00),
(13      ,'Skeeter McGavin',        'Nick Winkle',    3000.00),
(23      ,'Stan Pancake', 'Todd Waffle',    3250.00),
(32      ,'Randy Killnose',         'August Clementine',     1980.00),
(5       ,'Paul McCartney',         'Richard Lester',5150.05),
(25      ,'Honor Blackman',         'Guy Hamilton', 5110.00);

SELECT * From actor_list;

#-- Updated revenue which was directed by Justin Groove
UPDATE actor_list
SET gross_revenue = 5579.99
WHERE actor_id = 12;

SELECT * FROM actor_list;
```

```
-- Joining tables

SELECT movie_list.title , actor_list.lead_actor,gross_revenue
FROM movie_list
INNER JOIN actor_list
ON movie_list.actor_id = actor_list.actor_id;


SELECT movie_list.title , movie_list.release_date ,gross_revenue
FROM movie_list
INNER JOIN actor_list
ON movie_list.actor_id = actor_list.actor_id AND gross_revenue BETWEEN 3000.00 AND 5999.00  ;

SELECT movie_list.title , movie_list.release_date ,gross_revenue
FROM movie_list
LEFT JOIN actor_list
ON movie_list.actor_id = actor_list.actor_id;


SELECT * FROM actor_list
WHERE gross_revenue BETWEEN 1000.00 AND 2000.00  ;
```

Screenshots of results

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	movie_id	int	NO	PRI	NULL	
	title	varchar(20)	NO		NULL	
	release_date	varchar(20)	NO		NULL	
	genre	varchar(20)	NO		NULL	
	actor_id	int	NO		NULL	
	lead_actor	varchar(20)	NO		NULL	
	language	varchar(20)	NO		NULL	
	country	varchar(20)	NO		NULL	

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	movie_id	title	release_date	genre	actor_id	lead_actor
▶	1	Adventure Squirrels	15/02/2016	Drama	1	Jim Tickle
	2	Too Many Balloons	15/09/2016	Crime	2	Phil Stump
	3	That Not Cheese	26/01/2016	Drama	12	Justin Groove
	4	Sugar Rush	11/11/2016	Comedy	4	Karen Trout
	5	Grandma Laughing?	29/08/2016	Mystery	12	Yulia Velasquez
	6	Luke Warm Soup	15/04/2016	Horror	6	Skeeter McGavin
	7	Clown Parade III	01/06/2016	Comedy	15	Stan Pancake
	8	Gene Genes	11/08/2016	Sci-Fi	14	Randy Killnose
	9	A Hard Day Night	22/05/1964	Comedy	9	Paul McCartney
	10	Goldfinger	29/05/1964	Action	10	Honor Blackman
	11	Mary Poppins	21/03/1964	Comedy	13	Ed Wynn
*	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	movie_id	title	release_date	genre	actor_id	lead_actor
▶	1	Adventure Squirrels	15/02/2016	Drama	1	Jim Tickle
	2	Too Many Balloons	15/09/2016	Crime	2	Phil Stump
	3	That Not Cheese	26/01/2016	Drama	12	Justin Groove
	4	Sugar Rush	11/11/2016	Comedy	4	Karen Trout
	5	Grandma Laughing?	29/08/2016	Mystery	12	Yulia Velasquez
	6	Luke Warm Soup	15/04/2016	Horror	6	Skeeter McGavin
	7	Clown Parade III	01/06/2010	Comedy	15	Stan Pancake
	8	Gene Genes	11/08/20	01/06/2010	14	Randy Killnose
	9	A Hard Day Night	22/05/1964	Comedy	9	Paul McCartney
	10	Goldfinger	29/05/1964	Action	10	Honor Blackman
	11	Mary Poppins	21/03/1964	Comedy	13	Ed Wynn
*	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

movie_id	title	release_date	genre	actor_id	lead_actor
1	Adventure Squirrels	15/02/2016	Drama	1	Jim Tickle
3	That Not Cheese	26/01/2016	Drama	12	Justin Groove
4	Sugar Rush	11/11/2016	Comedy	4	Karen Trout
5	Grandma Laughing?	29/08/2016	Mystery	12	Yulia Velasquez
6	Luke Warm Soup	15/04/2016	Horror	6	Skeeter McGavin
7	Clown Parade III	01/06/2010	Comedy	15	Stan Pancake
8	Gene Genes	11/08/2016	Sci-Fi	14	Randy Killnose
9	A Hard Day Night	22/05/1964	Comedy	9	Paul McCartney
10	Goldfinger	29/05/1964	Action	10	Honor Blackman
11	Mary Poppins	21/03/1964	Comedy	13	Ed Wynn
NULL	NULL	NULL	NULL	NULL	NULL

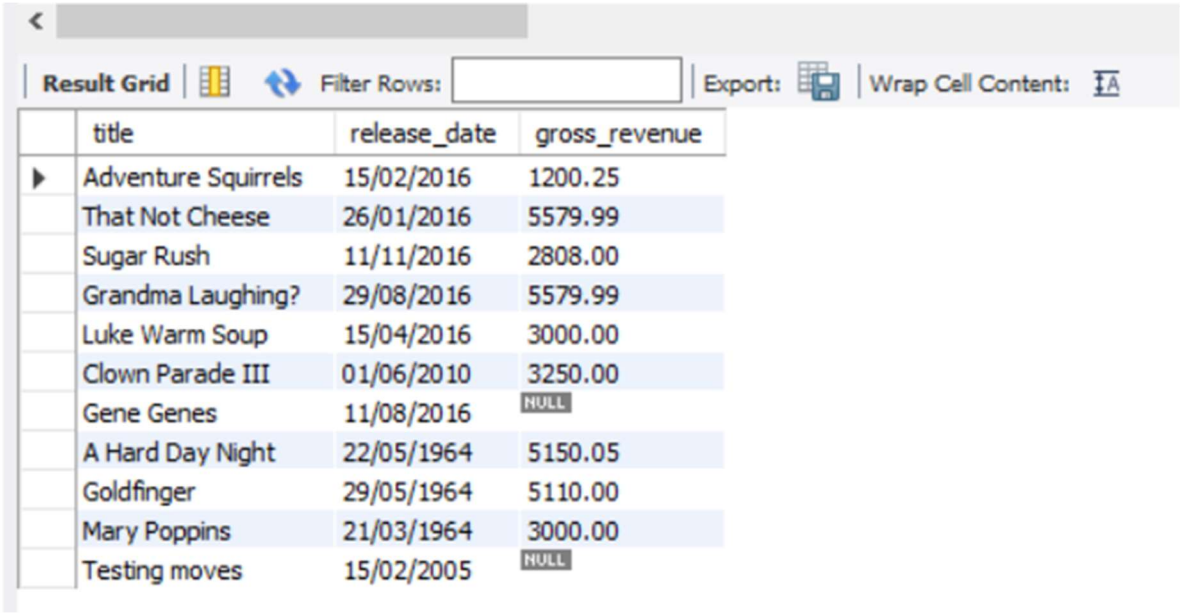
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Ce

actor_id	lead_actor	director_name	gross_revenue
1	Jim Tickle	Lloyd Christmas	1200.25
4	Karen Trout	Karen Trout	2808.00
6	Skeeter McGavin	Nick Winkle	3000.00
8	Randy Killnose	August Clementine	1980.00
9	Paul McCartney	Richard Lester	5150.05
10	Honor Blackman	Guy Hamilton	5110.00
12	Justin Groove	Justin Groove	3450.45
15	Stan Pancake	Todd Waffle	3250.00
21	Yulia Velasquez	Purd Haply	1700.00
NULL	NULL	NULL	NULL

Joins

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

title	lead_actor	gross_revenue
Adventure Squirrels	Jim Tickle	1200.25
That Not Cheese	Justin Groove	5579.99
Sugar Rush	Karen Trout	2808.00
Grandma Laughing?	Justin Groove	5579.99
Luke Warm Soup	Skeeter McGavin	3000.00
Clown Parade III	Stan Pancake	3250.00
A Hard Day Night	Paul McCartney	5150.05
Goldfinger	Honor Blackman	5110.00
Mary Poppins	Skeeter McGavin	3000.00



title	release_date	gross_revenue
Adventure Squirrels	15/02/2016	1200.25
That Not Cheese	26/01/2016	5579.99
Sugar Rush	11/11/2016	2808.00
Grandma Laughing?	29/08/2016	5579.99
Luke Warm Soup	15/04/2016	3000.00
Clown Parade III	01/06/2010	3250.00
Gene Genes	11/08/2016	NULL
A Hard Day Night	22/05/1964	5150.05
Goldfinger	29/05/1964	5110.00
Mary Poppins	21/03/1964	3000.00
Testing moves	15/02/2005	NULL

*** Sample data used was from freely available Movies dataset from Kaggle and amended some details to create the database and build relationships between Movie table and actor table