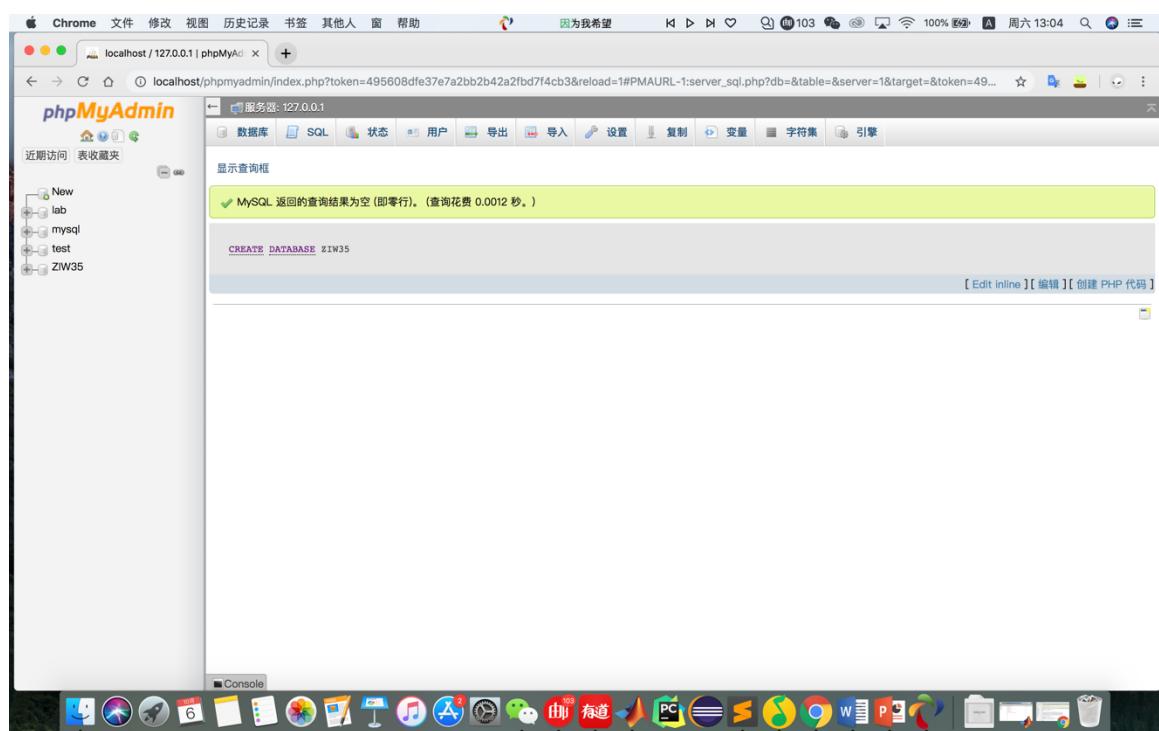


Homework 2

Task 1

Create the database ZIW35:

```
CREATE DATABASE ZIW35
```

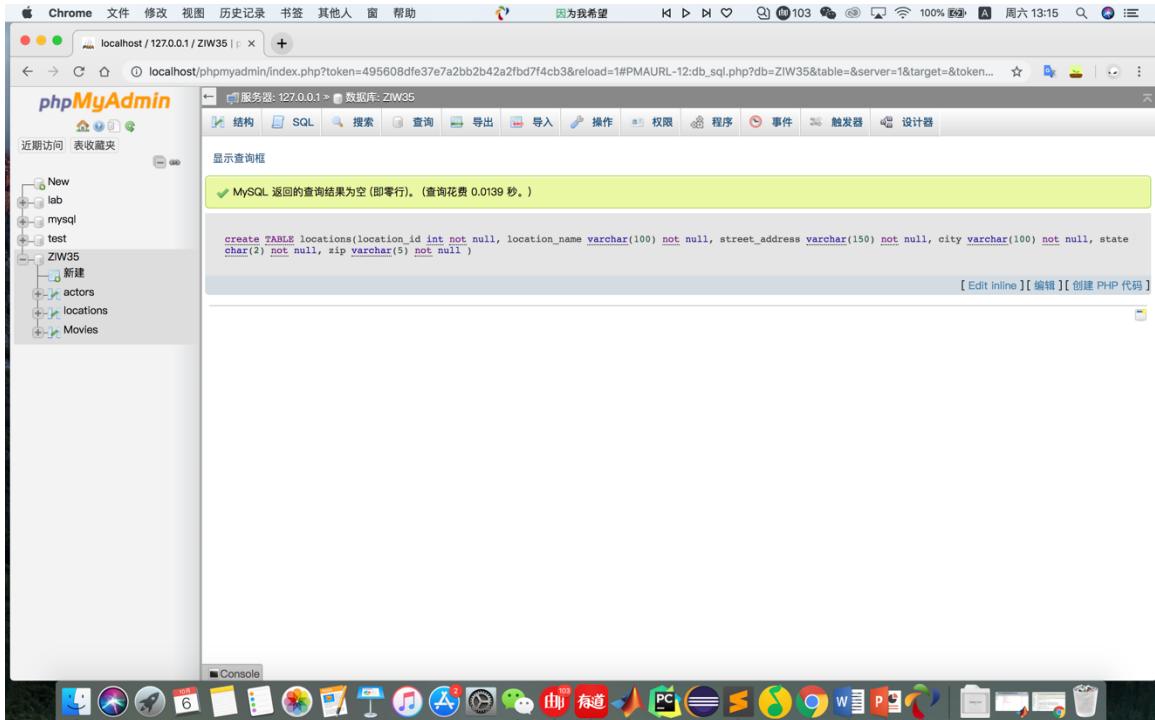


Create the table movies, actors, locations:

```
CREATE TABLE Movies(movie_id int NOT NULL, title varchar(200) NOT NULL, release_date  
datetime NOT NULL, plot_description varchar(4000) NOT NULL, PRIMARY KEY(movie_id))
```

```
CREATE TABLE actors (actor_id INT NOT null, first_name varchar(100) NOT null, last_name v  
archar(100) not null, birth_date datetime NOT null, biographyvarchar(1000) not null )
```

```
create TABLE locations(location_id int not null, location_name varchar(100) not null, str  
eet_address varchar(150) not null, city varchar(100) not null, statechar(2) not null, zip  
varchar(5) not null )
```



Task 2

Create two junction tables:

```
CREATE TABLE movies_actors(movie_id int NOT NULL, actor_id int NOT NULL)
CREATE TABLE movies_locations(movie_id int NOT NULL, location_id int NOT NULL)
```

create the appropriate foreign key:

```
ALTER TABLE movies_actors ADD CONSTRAINT FOREIGN KEY (movie_id) REFERENCES Movies(movie_id)
ON DELETE CASCADE ON UPDATE CASCADE
```

```
ALTER TABLE movies_actors ADD CONSTRAINT FOREIGN KEY (actor_id) REFERENCES
actors(actor_id) ON DELETE CASCADE ON UPDATE CASCADE
```

```
ALTER TABLE movies_locations ADD CONSTRAINT FOREIGN KEY (movie_id) REFERENCES
Movies(movie_id) ON DELETE CASCADE ON UPDATE CASCADE
```

```
ALTER TABLE movies_locations ADD CONSTRAINT FOREIGN KEY (location_id) REFERENCES
locations(location_id) ON DELETE CASCADE ON UPDATE CASCADE
```

localhost / 127.0.0.1 / ZIW35 / +

phpMyAdmin

服务器: 127.0.0.1 > 数据库: ZIW35 > 表: movies_actors

浏览 结构 SQL 搜索 插入 导出 权限 操作 触发器

表结构 Relation view

#	名字	类型	排序规则	属性	空	默认	额外	操作
1	movie_id	int(11)			否	无		       
2	actor_id	int(11)			否	无		       

+ 全选 逆中序:         

打印预览 规划表结构 移动字段 Improve table structure

+ 索引

信息

已用空间	Row statistics
数据 16 KB	格式 Compact
索引 32 KB	排序规则 latin1_swedish_ci
总计 48 KB	创建时间 2018-10-07 13:42:05

Console

localhost / 127.0.0.1 / ZIW35 / +

phpMyAdmin

服务器: 127.0.0.1 > 数据库: ZIW35 > 表: movies_locations

浏览 结构 SQL 搜索 插入 导出 权限 操作 触发器

表结构 Relation view

#	名字	类型	排序规则	属性	空	默认	额外	操作
1	movie_id	int(11)			否	无		       
2	location_id	int(11)			否	无		       

+ 全选 逆中序:         

打印预览 规划表结构 移动字段 Improve table structure

+ 索引

信息

已用空间	Row statistics
数据 16 KB	格式 Compact
索引 32 KB	排序规则 latin1_swedish_ci
总计 48 KB	创建时间 2018-10-07 13:43:31

Console

Two screenshots of the phpMyAdmin interface showing the configuration of foreign key constraints for tables 'movies_actors' and 'movies_locations'.

Screenshot 1: Configuration for 'movies_actors' table

The 'Foreign key constraints' section shows two existing constraints:

- Constraint 1:** Constraint properties: ON DELETE CASCADE, ON UPDATE CASCADE. Fields: actor_id (ZIW35), actors (actor_id). This constraint links the 'actor_id' field in 'movies_actors' to the 'actor_id' field in the 'actors' table.
- Constraint 2:** Constraint properties: ON DELETE CASCADE, ON UPDATE CASCADE. Fields: movie_id (ZIW35), Movies (movie_id). This constraint links the 'movie_id' field in 'movies_actors' to the 'movie_id' field in the 'Movies' table.

Screenshot 2: Configuration for 'movies_locations' table

The 'Foreign key constraints' section shows two existing constraints:

- Constraint 1:** Constraint properties: ON DELETE CASCADE, ON UPDATE CASCADE. Fields: movie_id (ZIW35), Movies (movie_id). This constraint links the 'movie_id' field in 'movies_locations' to the 'movie_id' field in the 'Movies' table.
- Constraint 2:** Constraint properties: ON DELETE CASCADE, ON UPDATE CASCADE. Fields: location_id (ZIW35), locations (location_id). This constraint links the 'location_id' field in 'movies_locations' to the 'location_id' field in the 'locations' table.

Task 3

Insert 5 movies in the movies table:

```
INSERT INTO `Movies`(`movie_id`, `title`, `release_date`, `plot_description`) VALUES ('11111','Deadpool 2','2018-05-18','Deadpool 2 is a 2018 American superhero film based on the Marvel Comics character Deadpool, distributed by 20th Century Fox.')
```

```
INSERT INTO `Movies`(`movie_id`, `title`, `release_date`, `plot_description`) VALUES ('111112','Deadpool','2016-02-12','Deadpool is a 2016 American superhero film based on the Marvel Comics character of the same name, distributed by 20th Century Fox.')
```

```
INSERT INTO `Movies`(`movie_id`, `title`, `release_date`, `plot_description`) VALUES ('111113','Murder on the Orient Express ','2017-11-10','Murder on the Orient Express is a 2017 mystery drama film directed by Kenneth Branagh with a screenplay by Michael Green, based on the 1934 novel of the same name by Agatha Christie.')
```

```
INSERT INTO `Movies`(`movie_id`, `title`, `release_date`, `plot_description`) VALUES ('111114','Inferno','2016-10-28','Inferno is a 2016 American mystery thriller film directed by Ron Howard and written by David Koepp, based on the 2013 novel of the same name by Dan Brown.')
```

```
INSERT INTO `Movies`(`movie_id`, `title`, `release_date`, `plot_description`) VALUES ('111115','Iron Man 3','2013-05-03','Iron Man 3 (stylized onscreen as Iron Man Three) is a 2013 American superhero film based on the Marvel Comics character Iron Man, produced by Marvel Studios and distributed by Walt Disney Studios Motion Pictures.')
```

The screenshot shows the phpMyAdmin interface for the 'Movies' table. The table has columns: movie_id, title, release_date, and plot_description. There are 5 rows displayed:

	movie_id	title	release_date	plot_description
1	11111	Deadpool 2	2018-05-18 00:00:00	Deadpool 2 is a 2018 American superhero film based...
2	111112	Deadpool	2016-02-12 00:00:00	Deadpool is a 2016 American superhero film based o...
3	111113	Murder on the Orient Express	2017-11-10 00:00:00	Murder on the Orient Express is a 2017 mystery dra...
4	111114	Inferno	2016-10-28 00:00:00	Inferno is a 2016 American mystery thriller film d...
5	111115	Iron Man 3	2013-05-03 00:00:00	Iron Man 3 (stylized onscreen as Iron Man Three) i...

Insert into actors:

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA  
LUES ('211111','Downey','Robert','1965-04-04','Robert John Downey Jr. (born April 4,  
1965)[2] is an American actor and singer.')
```

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA  
LUES ('211112','Johansson','Scarlett','1984-11-22','Scarlett Ingrid Johansson  
(/dʒoʊ̯hænsən/; born November 22, 1984) is an American actress and singer.')
```

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA  
LUES ('211113','Evans','Chris','1981-06-13','Christopher Robert Evans[1] (born June 13,  
1981) is an American actor. ')
```

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA  
LUES ('211114','Hemsworth','Chris','1983-08-11','Christopher Hemsworth (born 11 August  
1983) is an Australian actor.')
```

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA  
LUES ('211115','Ruffalo','Mark','1967-11-22','Mark Alan Ruffalo (/rʌfələʊ/; born  
November 22, 1967) is an American actor, filmmaker and activist who made his screen debut  
in an episode of CBS Summer Playhouse (1989), followed by minor film roles.')
```

The screenshot shows the phpMyAdmin interface for a MySQL database named ZIW35. The left sidebar shows tables like lab, mysql, test, and ZIW35, with actors selected. The main area displays the contents of the actors table:

actor_id	first_name	last_name	birth_date	biography
211111	Downey	Robert	1965-04-04 00:00:00	Robert John Downey Jr. (born April 4, 1965)[2] is ...
211112	Johansson	Scarlett	1984-11-22 00:00:00	Scarlett Ingrid Johansson (/dʒoʊ̯hænsən/; born Nov... (/dʒoʊ̯hænsən/; born November 22, 1984) is an American actress and singer.)
211113	Evans	Chris	1981-06-13 00:00:00	Christopher Robert Evans[1] (born June 13, 1981) i...
211114	Hemsworth	Chris	1983-08-11 00:00:00	Christopher Hemsworth (born 11 August 1983) is an ...
211115	Ruffalo	Mark	1967-11-22 00:00:00	Mark Alan Ruffalo (/rʌfələʊ/; born November 22, 1...

Insert into locations:

```

INSERT INTO `locations`(`location_id`, `location_name`, `street_address`, `city`, `state`
, `zip`) VALUES ('311111','AMC Waterfront 22','300 W Waterfront Dr, West
Homestead','Pittsburgh','PA','15120')

INSERT INTO `locations`(`location_id`, `location_name`, `street_address`, `city`, `state`
, `zip`) VALUES ('311112','Row House Cinema','4115 Butler St,
Pittsburgh','pittsburgh','PA','15201')

INSERT INTO `locations`(`location_id`, `location_name`, `street_address`, `city`, `state`
, `zip`) VALUES ('311113','The Rangos Giant Cinema','1 Allegheny Ave,
Pittsburgh','pittsburgh','PA','15212')

INSERT INTO `locations`(`location_id`, `location_name`, `street_address`, `city`, `state`
, `zip`) VALUES ('311114','MovieScoop Waterworks Cinemas','930 Freeport Rd,
Pittsburgh','Pittsburgh','PA','15238')

INSERT INTO `locations`(`location_id`, `location_name`, `street_address`, `city`, `state`
, `zip`) VALUES ('311115','Regent Square Theater','1035 S Braddock Ave,
Pittsburgh','Pittsburgh','PA','15218')

```

Task 4

```

INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111111,211111)

INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111112,211112)

INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111113,211113)

INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111114,211114)

INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111115,211115)

```

正在显示第 0 – 4 行 (共 5 行, 查询花费 0.0002 秒。)

movie_id	actor_id
11111	21111
11112	21112
11113	21113
11114	21114
11115	21115

```
INSERT INTO `movies_locations`(`movie_id`, `location_id`) VALUES (111111,311111)
```

```
INSERT INTO `movies_locations`(`movie_id`, `location_id`) VALUES (111112,311112)
```

```
INSERT INTO `movies_locations`(`movie_id`, `location_id`) VALUES (111113,311113)
```

```
INSERT INTO `movies_locations`(`movie_id`, `location_id`) VALUES (111114,311114)
```

```
INSERT INTO `movies_locations`(`movie_id`, `location_id`) VALUES (111115,311115)
```

正在显示第 0 – 4 行 (共 5 行, 查询花费 0.0003 秒。) [movie_id: 111111 – 111115]

```
SELECT * FROM `movies_locations` ORDER BY `movie_id` ASC
```

movie_id	location_id
111111	311111
111112	311112
111113	311113
111114	311114
111115	311115

Task 5

正在显示第 0 – 1 行 (共 2 行, 查询花费 0.0002 秒。)

```
SELECT * FROM `actors` WHERE last_name LIKE 't'
```

actor_id	first_name	last_name	birth_date	biography
211111	Downey	Robert	1965-04-04 00:00:00	Robert John Downey Jr. (born April 4, 1965)[2] is ...
211112	Johansson	Scarlett	1984-11-22 00:00:00	Scarlett Ingrid Johansson (/dʒɑːrtʃɪnˈhænsən/; born Nov...

Task 6

```
SELECT location_name, street_address, city FROM locations ORDER BY location_name desc
```

The screenshot shows the phpMyAdmin interface in a Chrome browser window. The URL is `localhost:127.0.0.1/ZIW35/`. The database selected is `ZIW35`, and the table is `locations`. The query `SELECT location_name, street_address, city FROM locations ORDER BY location_name desc` has been run, resulting in 5 rows of data:

location_name	street_address	city
The Rangos Giant Cinema	1 Allegheny Ave, Pittsburgh	pittsburgh
Row House Cinema	4115 Butler St, Pittsburgh	pittsburgh
Regent Square Theater	1035 S Braddock Ave, Pittsburgh	Pittsburgh
MovieScoop Waterworks Cinemas	930 Freeport Rd, Pittsburgh	Pittsburgh
AMC Waterfront 22	300 W Waterfront Dr, West Homestead	Pittsburgh

Task 7

```
SELECT * FROM Movies WHERE release_date BETWEEN '2015-01-01' AND '2017-01-01'
```

The screenshot shows the phpMyAdmin interface for the 'Movies' table in the 'ZW35' database. A green status bar at the top indicates '正在显示第 0 - 1 行 (共 2 行, 查询花费 0.0002 秒.)'. The SQL query is:

```
SELECT * FROM Movies WHERE release_date BETWEEN '2015-01-01' AND '2017-01-01'
```

The results show two rows of movie data:

	movie_id	title	release_date	plot_description
<input type="checkbox"/>	11112	Deadpool	2016-02-12 00:00:00	Deadpool is a 2016 American superhero film based o...
<input type="checkbox"/>	11114	Inferno	2016-10-28 00:00:00	inferno is a 2016 American mystery thriller film di...

Task 8

UPDATE locations SET zip = '15217'

The screenshot shows the phpMyAdmin interface for the 'locations' table in the 'ZW35' database. A green status bar at the top indicates '正在显示第 0 - 4 行 (共 5 行, 查询花费 0.0004 秒.)'. The SQL query is:

```
SELECT * FROM `locations`
```

The results show five rows of location data:

	location_id	location_name	street_address	city	state	zip
<input type="checkbox"/>	31111	AMC Waterfront 22	300 W Waterfront Dr, West Homestead	Pittsburgh	PA	15217
<input type="checkbox"/>	31112	Row House Cinema	4115 Butler St, Pittsburgh	pittsburgh	PA	15217
<input type="checkbox"/>	31113	The Rangos Giant Cinema	1 Allegheny Ave, Pittsburgh	pittsburgh	PA	15217
<input type="checkbox"/>	31114	MovieScoop Waterworks Cinemas	930 Freeport Rd, Pittsburgh	Pittsburgh	PA	15217
<input type="checkbox"/>	31115	Regent Square Theater	1035 S Braddock Ave, Pittsburgh	Pittsburgh	PA	15217

Task 9

```
DELETE FROM actors WHERE last_name = 'Mark'
```

The screenshot shows the phpMyAdmin interface for a MySQL database named 'ZIW35'. The left sidebar lists databases (New, lab, mysql, test, ZIW35) and tables (actors, locations, Movies, movies_actors, movies_locations). The 'actors' table is selected. The main area displays the results of the SQL query: '正在显示第 0 – 3 行 (共 4 行, 查询花费 0.0004 秒。)' followed by the table structure and data. The data shows four rows of actors: Downey, Johansson, Evans, and Hemsworth. Below the table, there are buttons for '全选' (Select All), '过滤项' (Filter), and '导出' (Export). At the bottom, there is a 'Console' section.

Task 10

```
ALTER TABLE actors ADD actor_horoscope varchar(200) NOT NULL
```

正在显示第 0 - 4 行 (共 5 行, 查询花费 0.0002 秒。)

```
SELECT * FROM `actors`
```

	actor_id	first_name	last_name	birth_date	biography	actor_horoscope
<input type="checkbox"/>	211111	Downey	Robert	1965-04-04 00:00:00	Robert John Downey Jr. (born April 4, 1965)[2] is ...	Gemini
<input type="checkbox"/>	211112	Johansson	Scarlett	1984-11-22 00:00:00	Scarlett Ingrid Johansson (/d?r?stt?n?h?nsn?n/; born Nov... Lion	Cancer
<input type="checkbox"/>	211113	Evans	Chris	1981-06-13 00:00:00	Christopher Robert Evans[1] (born June 13, 1981) i... Taurus	Aries
<input type="checkbox"/>	211114	Hemsworth	Chris	1983-08-11 00:00:00	Christopher Hemsworth (born 11 August 1983) is an ...	
<input type="checkbox"/>	211115	Ruffalo	Mark	1967-11-22 00:00:00	Mark Alan Ruffalo (/?r??fl?o?/; born November 22, 1...	

```
UPDATE actors SET actor_horoscope = 'Gemini' WHERE actor_id = 211111
UPDATE actors SET actor_horoscope = 'Lion' WHERE actor_id = 211112
UPDATE actors SET actor_horoscope = 'Cancer' WHERE actor_id = 211113
UPDATE actors SET actor_horoscope = 'Taurus' WHERE actor_id = 211114
UPDATE actors SET actor_horoscope = 'Aries' WHERE actor_id = 211115
```

正在显示第 0 - 4 行 (共 5 行, 查询花费 0.0002 秒。)

```
SELECT * FROM `actors`
```

	actor_id	first_name	last_name	birth_date	biography	actor_horoscope
<input type="checkbox"/>	211111	Downey	Robert	1965-04-04 00:00:00	Robert John Downey Jr. (born April 4, 1965)[2] is ...	Gemini
<input type="checkbox"/>	211112	Johansson	Scarlett	1984-11-22 00:00:00	Scarlett Ingrid Johansson (/d?r?stt?n?h?nsn?n/; born Nov... Lion	Cancer
<input type="checkbox"/>	211113	Evans	Chris	1981-06-13 00:00:00	Christopher Robert Evans[1] (born June 13, 1981) i... Taurus	Aries
<input type="checkbox"/>	211114	Hemsworth	Chris	1983-08-11 00:00:00	Christopher Hemsworth (born 11 August 1983) is an ...	
<input type="checkbox"/>	211115	Ruffalo	Mark	1967-11-22 00:00:00	Mark Alan Ruffalo (/?r??fl?o?/; born November 22, 1...	

```

SELECT * FROM Movies WHERE EXISTS(SELECT 1 FROM movies_actors INNER JOIN actors ON movies_
_actors.actor_id = actors.actor_id WHERE movies_actors.movie_id =Movies.movie_id AND acto
rs.actor_horoscope = 'Gemini')

```

The screenshot shows the phpMyAdmin interface for the 'ZIW35' database. The left sidebar lists tables: New, lab, mysql, test, ZIW35, 新建, actors, locations, Movies, movies_actors, movies_locations. The 'actors' table is selected. The main area displays the results of the query: '正在显示第 0 - 4 行 (共 5 行, 查询花费 0.0000 秒。)'. The results table has columns: actor_id, first_name, last_name, birth_date, biography, actor_horoscope. The data shows five rows of actor information, with the fifth row (Mark Ruffalo) highlighted.

actor_id	first_name	last_name	birth_date	biography	actor_horoscope
211111	Downey	Robert	1965-04-04 00:00:00	Robert John Downey Jr. (born April 4, 1965)[2] is ...	Gemini
211112	Johansson	Scarlett	1984-11-22 00:00:00	Scarlett Ingrid Johansson (/dɔ?r?hænsn?n/; born Nov...)	Lion
211113	Evans	Chris	1981-06-13 00:00:00	Christopher Robert Evans[1] (born June 13, 1981) i...	Cancer
211114	Hemsworth	Chris	1983-08-11 00:00:00	Christopher Hemsworth (born 11 August 1983) is an ...	Taurus
211115	Ruffalo	Mark	1967-11-22 00:00:00	Mark Alan Ruffalo (/?r?flə?/; born November 22, 1...	Aries

The screenshot shows the phpMyAdmin interface for the 'ZIW35' database. The left sidebar lists tables: New, lab, mysql, test, ZIW35, 新建, actors, locations, Movies, movies_actors, movies_locations. The 'Movies' table is selected. The main area displays the results of the query: '正在显示第 0 - 0 行 (共 1 行, 查询花费 0.0003 秒。)'. The results table has columns: movie_id, title, release_date, plot_description. The data shows one row of movie information, with the row highlighted.

movie_id	title	release_date	plot_description
111111	Deadpool 2	2018-05-18 00:00:00	Deadpool 2 is a 2018 American superhero film based...

Task 11

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`)
VALUES ('211116','peter','smith','1968-05-01','qwert')
```

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA
LUES ('211117','ham','smith','1970-06-01','qwery')
```

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA
LUES ('211118','like','smith','1972-09-01','qwero')
```

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA
LUES ('211119','pop','smith','1976-10-01','qwerp')
```

```
INSERT INTO `actors`(`actor_id`, `first_name`, `last_name`, `birth_date`, `biography`) VA
LUES ('211110','ipss','smith','1978-12-01','qweru')
```

The screenshot shows the phpMyAdmin interface for the ZIW35 database. The left sidebar shows the database structure with tables: New, lab, mysql, test, and ZIW35, which contains actors, locations, Movies, movies_actors, and movies_locations. The main window displays the 'actors' table with the following data:

actor_id	first_name	last_name	birth_date	biography	actor_horoscope
211110	ipss	smith	1978-12-01 00:00:00	qweru	Gemini
211111	Downey	Robert	1965-04-04 00:00:00	Robert John Downey Jr. (born April 4, 1965)[2] is ...	Lion
211112	Johansson	Scarlett	1984-11-22 00:00:00	Scarlett Ingrid Johansson (/dɔ?r?ha?nsn?n/; born Nov...)	Cancer
211113	Evans	Chris	1981-06-13 00:00:00	Christopher Robert Evans[1] (born June 13, 1981)...	Taurus
211114	Hemsworth	Chris	1983-08-11 00:00:00	Christopher Hemsworth (born 11 August 1983) is an ...	Aries
211115	Ruffalo	Mark	1967-11-22 00:00:00	Mark Alan Ruffalo (/?r?flə/; born November 22, 1...	
211116	peter	smith	1968-05-01 00:00:00	qwert	
211117	ham	smith	1970-06-01 00:00:00	qwery	
211118	like	smith	1972-09-01 00:00:00	qwero	
211119	pop	smith	1976-10-01 00:00:00	qwerp	

```
INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111111,211110)
```

```
INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111112,211116)
```

```
INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111113,211117)
```

```
INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111114,211118)
```

```
INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111115,211119)
```

正在显示第 0 - 9 行 (共 10 行, 查询花费 0.0017 秒.)

	actor_id	first_name	last_name	birth_date	biography	actor_horoscope
编辑	21110	ipss	smith	1978-12-01 00:00:00	qweru	
编辑	21111	Downey	Robert	1965-04-04 00:00:00	Robert John Downey Jr. (born April 4, 1965)[2] is ...	Gemini
编辑	21112	Johansson	Scarlett	1984-11-22 00:00:00	Scarlett Ingrid Johansson (/d?r?t??hæns?n/; born Nov. ...	Lion
编辑	21113	Evans	Chris	1981-06-13 00:00:00	Christopher Robert Evans[1] (born June 13, 1981) i...	Cancer
编辑	21114	Hemsworth	Chris	1983-08-11 00:00:00	Christopher Hemsworth (born 11 August 1983) is an ...	Taurus
编辑	21115	Ruffalo	Mark	1967-11-22 00:00:00	Mark Alan Ruffalo (/r?fl?o/; born November 22, 1...	Aries
编辑	21116	peter	smith	1968-05-01 00:00:00	qwert	
编辑	21117	ham	smith	1970-06-01 00:00:00	qwery	
编辑	21118	like	smith	1972-09-01 00:00:00	qwero	
编辑	21119	pop	smith	1976-10-01 00:00:00	qwerp	

```
SELECT* FROM Movies as m, movies actors as ma, actors as a WHERE a.actor id = ma.actor id  
AND ma.movie id= m.movie id GROUP BY m.movie id ORDER BY AVG(TIMESTAMPDIFF(YEAR,  
'birth date', CURDATE())) DESC LIMIT 1
```

我喜欢 爱你外套味道

localhost / 127.0.0.1 / ZIW35 / Jesse Heiman: World's Greatest

phpMyAdmin

服务器: 127.0.0.1 > 数据库: ZIW35 > 表: Movies

显示查询框

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

正在显示第 0 - 0 行 (共 1 行, 查询花费 0.00005 秒.)

```
SELECT* FROM Movies as m, movies_actors as ma, actors as a WHERE a.actor_id = ma.actor_id AND ma.movie_id= m.movie_id GROUP BY m.movie_id ORDER BY AVG(TIMESTAMPDIFF(YEAR, `birth_date`, CURDATE())) DESC LIMIT 1
```

[Edit Inline] [编辑] [创建 PHP 代码]

movie_id	title	release_date	plot_description	movie_id	actor_id	actor_id	first_name	last_name	birth_date	biography	actor_horoscope
11111	Deadpool	2018-05-18 00:00:00	Deadpool 2 is a 2018 American superhero film based...	11111	21111	21111	Downey	Robert	1965-04-04 00:00:00	Robert John Downey Jr. (born April 4, 1965)[2] is ...	Gemini
2											

+ 选项

查询结果操作

打印预览 打印预览 (全文显示) 导出 显示图表 新建视图

Console

Task 12

```
INSERT INTO `movies_actors`(`movie_id`, `actor_id`) VALUES (111111,211112)
```

The actor with actor_id, 211112 appears twice, the other actors appear just once.

```
SELECT * FROM Movies as m, movies_actors as ma, actors as a WHERE a.actor_id=ma.actor_id  
AND m.movie_id = ma.movie_id GROUP BY a.actor_id ORDER BY COUNT(a.actor_id) desc LIMIT 1
```

phpMyAdmin - 服务器: 127.0.0.1 / ZIW35 | 表: Movies

显示查询结果

正在显示第 0 - 0 行 (共 1 行, 查询花费 0.0005 秒。)

SELECT * FROM Movies as m, movies_actors as ma, actors as a WHERE a.actor_id=ma.actor_id AND m.movie_id = ma.movie_id GROUP BY a.actor_id ORDER BY COUNT(a.actor_id) desc LIMIT 1

性能分析 [Edit Inline] [编辑] [解析 SQL] [创建 PHP 代码] [刷新]

movie_id	title	release_date	plot_description	movie_id	actor_id	actor_id	first_name	last_name	birth_date	biography	actor_horoscope
111111	Deadpool	2018-05-18 00:00:00	Deadpool 2 is a 2018 American superhero film based...	111111	211112	211112	Johansson	Scarlett	1984-11-22 00:00:00	Scarlett Ingrid Johansson (/d? o?hæns?n/; born Nov...	Lion
2											

查询结果操作

打印预览 打印预览 (全文显示) 导出 显示图表 新建视图

Console

Task 13

Because at first I set the city all the same, now I need to update the name of city.

```
UPDATE locations set city = 'shanghai' WHERE location_id = 311112  
update locations set city = 'chengdu' where location_id = 311113  
update locations set city = 'hohhot' where location_id = 311114  
  
update locations set city = 'beijing' where location_id = 311115
```

localhost / 127.0.0.1 / ZIW35 | x SQL UPDATE 语句

phpMyAdmin

正在显示第 0 - 4 行 (共 5 行, 查询花费 0.0002 秒。)

SELECT * FROM `locations`

	location_id	location_name	street_address	city	state	zip
<input type="checkbox"/>	31111	AMC Waterfront 22	300 W Waterfront Dr, West Homestead	Pittsburgh	PA	15217
<input type="checkbox"/>	31112	Row House Cinema	4115 Butler St, Pittsburgh	shanghai	PA	15217
<input type="checkbox"/>	31113	The Rangos Giant Cinema	1 Allegheny Ave, Pittsburgh	chengdu	PA	15217
<input type="checkbox"/>	31114	MovieScoop Waterworks Cinema	930 Freeport Rd, Pittsburgh	hohhot	PA	15217
<input type="checkbox"/>	31115	Regent Square Theater	1035 S Braddock Ave, Pittsburgh	beijing	PA	15217

全选 中选项: 编辑 复制 删除 显示全部 行数: 25 过滤行: 在表中搜索

查询结果操作 打印预览 打印预览(全文显示) 导出 显示图表 新建视图

Console

```
SELECT city, count(actor_id) from movies_actors AS ma, locations AS l, movies_locations AS ml WHERE ma.movie_id = ml.movie_id AND l.location_id = ml.location_id GROUP by city
```

localhost / 127.0.0.1 / ZIW35 | x SQL UPDATE 语句

phpMyAdmin

显示查询框

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

正在显示第 0 - 4 行 (共 5 行, 查询花费 0.0005 秒。)

SELECT city, count(actor_id) from movies_actors AS ma, locations AS l, movies_locations AS ml WHERE ma.movie_id = ml.movie_id AND l.location_id = ml.location_id GROUP by city

city	count(actor_id)
beijing	2
chengdu	2
hohhot	2
Pittsburgh	3
shanghai	2

显示全部 行数: 25 过滤行: 在表中搜索

查询结果操作 打印预览 打印预览(全文显示) 导出 显示图表 新建视图

Console

Task 14