

Question 1: Find the emails of students.

Command used:

1. SELECT email FROM student;

```
[MariaDB [laujunxiangdb]> SELECT email FROM student;
```

```
+-----+
| email |
+-----+
| angjiayi1990@hotmail.com |
| anniechapman1991@yahoo.com |
| chnghuiling1992@gmail.com |
| choyyiting1992@hotmail.com |
| davidchapman1989@msn.com |
| davidhall1992@yahoo.com |
| dennisbeckham1989@msn.com |
| dennispalmer1992@yahoo.com |
| dingweixiang1990@yahoo.com |
| fengmeng1990@gmail.com |
| geduo2010@yahoo.com |
| gohhuiying1989@gmail.com |
| huangwenxin2010@msn.com |
| huangxuanti1992@msn.com |
| huangzhanpeng1992@msn.com |
| irisbrown1992@hotmail.com |
| jennyhunt1991@gmail.com |
| kenowen2011@yahoo.com |
| lisasmith2011@msn.com |
| liushaojun2010@msn.com |
| liuyihui1990@hotmail.com |
| liuzhanpeng2011@msn.com |
| liuzhencai1990@msn.com |
| neelamdeol2011@hotmail.com |
| nganhquang1991@yahoo.com |
| ngookaiting1991@yahoo.com |
| ngqiyang1989@msn.com |
| ngyanfen2010@msn.com |
| ngyongming2011@yahoo.com |
| pengjiayuan2011@hotmail.com |
| pohhuiling1992@hotmail.com |
| qinyiyang2010@hotmail.com |
| qinyuwei2011@hotmail.com |
| seahteckkee1990@gmail.com |
| siowcaokhoa1991@msn.com |
| tayweiguo1989@msn.com |
| tayyongming1989@gmail.com |
| tsohuilin1989@msn.com |
| wangna1990@yahoo.com |
| zhanghan1989@hotmail.com |
| zhanghong2011@msn.com |
| zhaoyang1989@yahoo.com |
| zhengnana1991@gmail.com |
| zhengxi1990@yahoo.com |
| zhengzhemin1991@yahoo.com |
| zhouxialin1990@yahoo.com |
| zhuchang2010@gmail.com |
+-----+
```

```
47 rows in set (0.001 sec)
```

```
[MariaDB [laujunxiangdb]> ]
```

2. SELECT * FROM student;

```
MariaDB [laujunxiangdb]> SELECT * FROM student;
```

name	email	year	faculty	department	graduate
ANG JIA YI	angjiayi1990@hotmail.com	2009-08-01	health science	CS	NULL
ANNIE CHAPMAN	anniechapman1991@yahoo.com	2008-01-01	Faculty of Arts and Social Science	Language	NULL
CHNG HUI LING	chnghui1992@gmail.com	2009-01-01	Faculty of Arts and Social Science	History	NULL
CHOY YI TING	choyyiting1992@hotmail.com	2009-08-01	ICT	Software Engineering	NULL
DAVID CHAPMAN	davidchapman1989@msn.com	2008-01-01	health science	CS	NULL
DAVID HALL	davidhall1992@yahoo.com	2009-08-01	Faculty of Arts and Social Science	Geography	NULL
DENNIS BECKHAM	dennisbeckham1989@msn.com	2010-08-01	health science	IS	NULL
DENNIS PALMER	dennispalmer1992@yahoo.com	2010-01-01	Physical Science and Engineering	ME	NULL
DING WEI XIANG	dingweixiang1990@yahoo.com	2010-01-01	health science	IS	NULL
FENG MENG	fengmeng1990@gmail.com	2007-01-01	ICT	Software Engineering	NULL
GE DUO	geduo2010@yahoo.com	2009-08-01	Physical Science and Engineering	ME	NULL
GOH HUI YING	gohhuiying1989@gmail.com	2008-01-01	ICT	Software Engineering	2012-01-01
HUANG WENXIN	huangwenxin2010@msn.com	2008-01-01	ICT	Math	2014-01-01
HUANG XUANTI	huangxuanti1992@msn.com	2007-08-01	health science	IS	NULL
HUANG ZHANPENG	huangzhanpeng1992@msn.com	2010-08-01	Faculty of Arts and Social Science	Geography	NULL
IRIS BROWN	irisbrown1992@hotmail.com	2008-08-01	health science	CS	NULL
JENNY HUNT	jennyhunt1991@gmail.com	2008-08-01	Faculty of Arts and Social Science	Geography	NULL
KEN OWEN	kenowen2011@yahoo.com	2007-08-01	Faculty of Arts and Social Science	Geography	NULL
LISA SMITH	lisasmith2011@msn.com	2007-08-01	ICT	Chemistry	NULL
LIU SHAOJUN	liushaojun2010@msn.com	2007-08-01	health science	CS	NULL
LIU YIHUI	liuyihui1990@hotmail.com	2008-01-01	ICT	Software Engineering	NULL
LIU ZHANPENG	liuzhanpeng2011@msn.com	2007-08-01	ICT	Chemistry	NULL
LIU ZHENCAI	liuzhencai1990@msn.com	2010-08-01	health science	CS	NULL
NEELAM DEOL	neelamdeol2011@hotmail.com	2008-01-01	Faculty of Arts and Social Science	Language	NULL
NG ANH QUANG	nganhquang1991@yahoo.com	2009-08-01	Physical Science and Engineering	ME	2014-08-01
NGOO KAI TING	ngookaiting1991@yahoo.com	2010-08-01	health science	CS	NULL
NG QI YANG	ngqiyang1989@msn.com	2009-01-01	Physical Science and Engineering	CE	NULL
NG YAN FEN	ngyanfen2010@msn.com	2008-01-01	health science	CS	NULL
NG YONG MING	ngyongming2011@yahoo.com	2009-08-01	health science	CS	NULL
PENG JIAYUAN	pengjiayuan2011@hotmail.com	2008-01-01	ICT	Software Engineering	NULL
POH HUI LING	pohhui1992@hotmail.com	2007-01-01	ICT	Software Engineering	NULL
QIN YIYANG	qinyiyang2010@hotmail.com	2007-01-01	health science	CS	2014-08-01
QIN YUWEI	qinyuwe12011@hotmail.com	2009-08-01	health science	CS	NULL
SEAH TECK KEE	seahteckkee1990@gmail.com	2008-08-01	Faculty of Arts and Social Science	Geography	NULL
SIOW CAO KHOA	siowcaokhoa1991@msn.com	2010-08-01	health science	CS	NULL
TAY WEI GUO	tayweigu1989@msn.com	2010-08-01	Physical Science and Engineering	CE	2013-01-01
TAY YONG MING	tayyongming1989@gmail.com	2009-01-01	Physical Science and Engineering	CE	NULL
TSO HUI LIN	tsohuilin1989@msn.com	2007-08-01	ICT	Physics	NULL
WANG NA	wangna1990@yahoo.com	2010-01-01	Physical Science and Engineering	EE	NULL
ZHANG HAN	zhanghan1989@hotmail.com	2008-01-01	Faculty of Arts and Social Science	History	NULL
ZHANG HONG	zhanghong2011@msn.com	2010-08-01	health science	IS	NULL
ZHAO YANG	zhaoyang1989@yahoo.com	2008-08-01	Faculty of Arts and Social Science	Geography	NULL
ZHENG NANA	zhengnana1991@gmail.com	2010-08-01	Faculty of Arts and Social Science	Geography	NULL
ZHENG XI	zhengxi1990@yahoo.com	2010-01-01	health science	IS	NULL
ZHENG ZHEMIN	zhengzhemin1991@yahoo.com	2008-08-01	Faculty of Arts and Social Science	History	NULL
ZHOU XIALIN	zhouxialin1990@yahoo.com	2008-08-01	Faculty of Arts and Social Science	Geography	NULL
ZHU CHANG	zhuchang2010@gmail.com	2009-01-01	Faculty of Arts and Social Science	History	NULL

```
47 rows in set (0.001 sec)
```

```
MariaDB [laujunxiangdb]>
```

Question 2: Find the different emails of students.

Command used:

1. SELECT DISTINCT email, name FROM student;

```
[MariaDB [laujunxiangdb]> SELECT DISTINCT email, name FROM student;
```

email	name
angjiayi1990@hotmail.com	ANG JIA YI
anniechapman1991@yahoo.com	ANNIE CHAPMAN
chnghuiling1992@gmail.com	CHNG HUI LING
choyyiting1992@hotmail.com	CHOY YI TING
davidchapman1989@msn.com	DAVID CHAPMAN
davidhall1992@yahoo.com	DAVID HALL
dennisbeckham1989@msn.com	DENNIS BECKHAM
dennispalmer1992@yahoo.com	DENNIS PALMER
dingweixiang1990@yahoo.com	DING WEI XIANG
fengmeng1990@gmail.com	FENG MENG
geduo2010@yahoo.com	GE DUO
gohhuiying1989@gmail.com	GOH HUI YING
huangwenxin2010@msn.com	HUANG WENXIN
huangxuant1992@msn.com	HUANG XUANTI
huangzhanpeng1992@msn.com	HUANG ZHANPENG
irisbrown1992@hotmail.com	IRIS BROWN
jennyhunt1991@gmail.com	JENNY HUNT
kenowen2011@yahoo.com	KEN OWEN
lisasmith2011@msn.com	LISA SMITH
liushaojun2010@msn.com	LIU SHAOJUN
liuyihui1990@hotmail.com	LIU YIHUI
liuzhanpeng2011@msn.com	LIU ZHANPENG
liuzhencai1990@msn.com	LIU ZHENCAI
neelamdeol2011@hotmail.com	NEELAM DEOL
nganhquang1991@yahoo.com	NG ANH QUANG
ngookaiting1991@yahoo.com	NGOO KAI TING
ngqiyang1989@msn.com	NG QI YANG
ngyanfen2010@msn.com	NG YAN FEN
ngyongming2011@yahoo.com	NG YONG MING
pengjiayuan2011@hotmail.com	PENG JIAYUAN
pohhuiling1992@hotmail.com	POH HUI LING
qinyiyang2010@hotmail.com	QIN YIYANG
qinyuwe12011@hotmail.com	QIN YUWEI
seahteckkee1990@gmail.com	SEAH TECK KEE
siowcaokhoa1991@msn.com	SIOW CAO KHOA
tayweigu1989@msn.com	TAY WEI GUO
tayyongming1989@gmail.com	TAY YONG MING
tsohuilin1989@msn.com	TSO HUI LIN
wangna1990@yahoo.com	WANG NA
zhanghan1989@hotmail.com	ZHANG HAN
zhanghong2011@msn.com	ZHANG HONG
zhaoyang1989@yahoo.com	ZHAO YANG
zhengnana1991@gmail.com	ZHENG NANA
zhengxi1990@yahoo.com	ZHENG XI
zhengzhemin1991@yahoo.com	ZHENG ZHEMIN
zhouxialin1990@yahoo.com	ZHOU XIALIN
zhuchang2010@gmail.com	ZHU CHANG

```
47 rows in set (0.001 sec)
```

```
[MariaDB [laujunxiangdb]> ]
```

Question 3: Print the names of students in descending alphabetical order

Command used:

1. SELECT * FROM student ORDER BY name DESC;

```
MariaDB [laujunxiangdb]> SELECT * FROM student ORDER BY name DESC;
```

name	email	year	faculty	department	graduate
ZHU CHANG	zhuchang2010@gmail.com	2009-01-01	Faculty of Arts and Social Science	History	NULL
ZHOU XIALIN	zhouxialin1990@yahoo.com	2008-08-01	Faculty of Arts and Social Science	Geography	NULL
ZHENG ZHEMIN	zhengzhemin1991@yahoo.com	2008-08-01	Faculty of Arts and Social Science	History	NULL
ZHENG XI	zhengxi1990@yahoo.com	2010-01-01	health science	IS	NULL
ZHENG NANA	zhengnana1991@gmail.com	2010-08-01	Faculty of Arts and Social Science	Geography	NULL
ZHAO YANG	zhaoyang1989@yahoo.com	2008-08-01	Faculty of Arts and Social Science	Geography	NULL
ZHANG HONG	zhanghong2011@msn.com	2010-08-01	health science	IS	NULL
ZHANG HAN	zhanghan1989@hotmail.com	2008-01-01	Faculty of Arts and Social Science	History	NULL
WANG NA	wangna1990@yahoo.com	2010-01-01	Physical Science and Engineering	EE	NULL
TSO HUI LIN	tsohuilin1989@msn.com	2007-08-01	ICT	Physics	NULL
TAY YONG MING	tayyongming1989@gmail.com	2009-01-01	Physical Science and Engineering	CE	NULL
TAY WEI GUO	tayweiguoi1989@msn.com	2010-08-01	Physical Science and Engineering	CE	2013-01-01
SIOW CAO KHOA	siowcaokhoa1991@msn.com	2010-08-01	health science	CS	NULL
SEAH TECK KEE	seahteckkee1990@gmail.com	2008-08-01	Faculty of Arts and Social Science	Geography	NULL
QIN YUWEI	qinyuwei2011@hotmail.com	2009-08-01	health science	CS	NULL
QIN YIYANG	qinyiyang2010@hotmail.com	2007-01-01	health science	CS	2014-08-01
POH HUI LING	pohhuiling1992@hotmail.com	2007-01-01	ICT	Software Engineering	NULL
PENG JIAYUAN	pengjiayuan2011@hotmail.com	2008-01-01	ICT	Software Engineering	NULL
NGOO KAI TING	ngookaiting1991@yahoo.com	2010-08-01	health science	CS	NULL
NG YONG MING	ngyongming2011@yahoo.com	2009-08-01	health science	CS	NULL
NG YAN FEN	ngyanfen2010@msn.com	2008-01-01	health science	CS	NULL
NG QI YANG	ngqiyang1989@msn.com	2009-01-01	Physical Science and Engineering	CE	NULL
NG ANH QUANG	nganhquang1991@yahoo.com	2009-08-01	Physical Science and Engineering	ME	2014-08-01
NEELAM DEOL	neelamdeol2011@hotmail.com	2008-01-01	Faculty of Arts and Social Science	Language	NULL
LIU ZHENCAI	liuzhencai1990@msn.com	2010-08-01	health science	CS	NULL
LIU ZHANPENG	liuzhanpeng2011@msn.com	2007-08-01	ICT	Chemistry	NULL
LIU YIHUI	liuyihui1990@hotmail.com	2008-01-01	ICT	Software Engineering	NULL
LIU SHAOJUN	liushaojun2010@msn.com	2007-08-01	health science	CS	NULL
LISA SMITH	lisasmith2011@msn.com	2007-08-01	ICT	Chemistry	NULL
KEN OWEN	kenowen2011@yahoo.com	2007-08-01	Faculty of Arts and Social Science	Geography	NULL
JENNY HUNT	jennyhunt1991@gmail.com	2008-08-01	Faculty of Arts and Social Science	Geography	NULL
IRIS BROWN	irisbrown1992@hotmail.com	2008-08-01	health science	CS	NULL
HUANG ZHANPENG	huangzhanpeng1992@msn.com	2010-08-01	Faculty of Arts and Social Science	Geography	NULL
HUANG XUANTI	huangxuanti1992@msn.com	2007-08-01	health science	IS	NULL
HUANG WENXIN	huangwenxin2010@msn.com	2008-01-01	ICT	Math	2014-01-01
GOH HUI YING	gohhuiying1989@gmail.com	2008-01-01	ICT	Software Engineering	2012-01-01
GE DUO	geduo2010@yahoo.com	2009-08-01	Physical Science and Engineering	ME	NULL
FENG MENG	fengmeng1990@gmail.com	2007-01-01	ICT	Software Engineering	NULL
DING WEI XIANG	dingweixiang1990@yahoo.com	2010-01-01	health science	IS	NULL
DENNIS PALMER	dennispalmer1992@yahoo.com	2010-01-01	Physical Science and Engineering	ME	NULL
DENNIS BECKHAM	dennisbeckham1989@msn.com	2010-08-01	health science	IS	NULL
DAVID HALL	davidhall1992@yahoo.com	2009-08-01	Faculty of Arts and Social Science	Geography	NULL
DAVID CHAPMAN	davidchapman1989@msn.com	2008-01-01	health science	CS	NULL
CHOY YI TING	choyyiting1992@hotmail.com	2009-08-01	ICT	Software Engineering	NULL
CHNG HUI LING	chnghuiling1992@gmail.com	2009-01-01	Faculty of Arts and Social Science	History	NULL
ANNIE CHAPMAN	anniechapman1991@yahoo.com	2008-01-01	Faculty of Arts and Social Science	Language	NULL
ANG JIA YI	angjiayi1990@hotmail.com	2009-08-01	health science	CS	NULL

47 rows in set (0.001 sec)

```
MariaDB [laujunxiangdb]>
```

Question 4: Are there students with the same name?

Command used:

1. SELECT (COUNT(name) - COUNT(DISTINCT name)) as 'Students with same name'

FROM student;

```
MariaDB [laujunxiangdb]> SELECT (COUNT(name) - COUNT(DISTINCT name)) as 'Students with same name' FROM student;
+-----+
| Students with same name |
+-----+
| 0 |
+-----+
1 row in set (0.001 sec)

MariaDB [laujunxiangdb]>
```

Question 5: Find the different names of students; Is the result sorted? If not, please sort it.

Command used:

1. SELECT DISTINCT name FROM student ORDER BY name ASC;

```
MariaDB [laujunxiangdb]> SELECT DISTINCT name FROM student ORDER BY name ASC;
+-----+
| name |
+-----+
| ANG JIA YI |
| ANNIE CHAPMAN |
| CHNG HUI LING |
| CHOY YI TING |
| DAVID CHAPMAN |
| DAVID HALL |
| DENNIS BECKHAM |
| DENNIS PALMER |
| DING WEI XIANG |
| FENG MENG |
| GE DUO |
| GOH HUI YING |
| HUANG WENXIN |
| HUANG XUANTI |
| HUANG ZHANPENG |
| IRIS BROWN |
| JENNY HUNT |
| KEN OWEN |
| LISA SMITH |
| LIU SHAOJUN |
| LIU YIHUI |
| LIU ZHANPENG |
| LIU ZHENCAI |
| NEELAM DEOL |
| NG ANH QUANG |
| NG QI YANG |
| NG YAN FEN |
| NG YONG MING |
| NGOO KAI TING |
| PENG JIAYUAN |
| POH HUI LING |
| QIN YIYANG |
| QIN YUWEI |
| SEAH TECK KEE |
| SIOW CAO KHOA |
| TAY WEI GUO |
| TAY YONG MING |
| TSO HUI LIN |
| WANG NA |
| ZHANG HAN |
| ZHANG HONG |
| ZHAO YANG |
| ZHENG NANA |
| ZHENG XI |
| ZHENG ZHEMIN |
| ZHOU XIALIN |
| ZHU CHANG |
+-----+
47 rows in set (0.002 sec)

MariaDB [laujunxiangdb]> █
```

Question 6: Find the names of the student who owned a copy of the book '978-0321474049'

Command used:

1. `SELECT * FROM student s JOIN copy c ON s.email = c.owner WHERE c.book = '978-0321474049';`

```

MariaDB [laujunxiangdb]> SELECT * FROM student s JOIN copy c ON s.email = c.owner WHERE c.book = '978-0321474049';
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| name      | email                      | year  | faculty                                | department | graduate | owner                      | book      | copy | avail |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| DAVID HALL | davidhall1992@yahoo.com    | 2009-08-01 | Faculty of Arts and Social Science | Geography  | NULL     | davidhall1992@yahoo.com    | 978-0321474049 | 1    | TRUE  |
| LIU ZHENCAI | liuzhencai1990@msn.com    | 2010-08-01 | health science                     | CS         | NULL     | liuzhencai1990@msn.com    | 978-0321474049 | 1    | TRUE  |
| NG YONG MING | ngyongming2011@yahoo.com  | 2009-08-01 | health science                     | CS         | NULL     | ngyongming2011@yahoo.com  | 978-0321474049 | 1    | TRUE  |
| WANG NA     | wangna1990@yahoo.com      | 2010-01-01 | Physical Science and Engineering   | EE         | NULL     | wangna1990@yahoo.com      | 978-0321474049 | 1    | TRUE  |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [laujunxiangdb]>

```

Question 7: Find the names of the students who owned a copy of a book with more than 100 pages and the book title contains the word 'Photoshop'

Command used:

1. `SELECT s.name, b.title, b.pages FROM student s INNER JOIN copy c ON s.email = c.owner INNER JOIN book b ON c.book = b.ISBN13 WHERE b.pages > 100 AND b.title LIKE '%photoshop%';`

```
MariaDB [laujunxiangdb]> SELECT s.name, b.title, b.pages FROM student s INNER JOIN copy c ON s.email = c.owner INNER JOIN book b ON c.book = b.ISBN13 WHERE b.pages > 100 AND b.title LIKE '%photoshop%';
```

name	title	pages
GOH HUI YING	Photoshop Elements 9: The Missing Manual	640
JENNY HUNT	Photoshop Elements 9: The Missing Manual	640
TSO HUI LIN	Photoshop Elements 9: The Missing Manual	640
WANG NA	Photoshop Elements 9: The Missing Manual	640

```
4 rows in set (0.001 sec)
```

```
MariaDB [laujunxiangdb]>
```


Question 8: Find the number of A4 pages needed to photocopy the two books with ISBN-13 '978-0321474049' and '978-0684801520' (duplex printing, or 2 pages of a book can be copied on one A4 page)
Command used:

1. `SELECT (SUM(pages) + 1)/2 as Pages FROM book WHERE ISBN13 = '978-0321474049' OR ISBN13='978-0684801520';`

```
[MariaDB [laujunxiangdb]> SELECT (SUM(pages) + 1)/2 as Pages FROM book WHERE ISBN13 = '978-0321474049' OR ISBN13='978-0684801520';
+-----+
| Pages |
+-----+
| 218.0000 |
+-----+
1 row in set (0.002 sec)

MariaDB [laujunxiangdb]>
```

+1 to make it even number.

Question 9: Find the different names of the students who owned a copy of a book other than of '978-0321474049'

Command used:

1. SELECT DISTINCT s.name, c.book FROM student s INNER JOIN copy c ON s.email = c.owner WHERE c.book != '978-0321474049';

```
MariaDB [laujunxiangdb]> SELECT DISTINCT s.name FROM student s INNER JOIN copy c ON s.email = c.owner WHERE c.book != '978-0321474049';
+-----+
| name |
+-----+
| JENNY HUNT |
| LIU SHAOJUN |
| TAY WEI GUO |
| GOH HUI YING |
| TSO HUI LIN |
| WANG NA |
| HUANG ZHANPENG |
| QIN YUWEI |
| ZHANG HAN |
| ZHU CHANG |
+-----+
10 rows in set (0.001 sec)

MariaDB [laujunxiangdb]> █
```

Question 10: Find the names of students who borrowed a copy of the book '978-0321474049'

Command used:

1. SELECT DISTINCT s.name FROM student s LEFT JOIN loan l ON s.email = l.borrower WHERE l.book = '978-0321474049' ORDER BY s.name ASC;

```
MariaDB [laujunxiangdb]> SELECT DISTINCT s.name FROM student s LEFT JOIN loan l ON s.email = l.borrower WHERE l.book = '978-0321474049' ORDER BY s.name ASC;
+-----+
| name |
+-----+
| CHNG HUI LING |
| CHOY YI TING |
| DAVID CHAPMAN |
| DENNIS BECKHAM |
| DENNIS PALMER |
| GE DUO |
| HUANG XUANTI |
| JENNY HUNT |
| LISA SMITH |
| LIU YIHUI |
| LIU ZHENCAI |
| NG ANH QUANG |
| ZHOU XIALIN |
| ZHU CHANG |
+-----+
14 rows in set (0.001 sec)

MariaDB [laujunxiangdb]>
```

Question 11: Find the names of students who owned or borrowed a copy of the book '978-0321474049'

Command used:

1. SELECT DISTINCT s.name FROM student s LEFT JOIN loan l ON s.email = l.borrower LEFT JOIN copy c ON s.email = c.owner WHERE l.book = '978-0321474049' OR c.book = '978-0321474049' ORDER BY s.name ASC;

```
MariaDB [laujunxiangdb]> SELECT DISTINCT s.name FROM student s
-> LEFT JOIN loan l ON s.email = l.borrower
-> LEFT JOIN copy c ON s.email = c.owner
-> WHERE l.book = '978-0321474049' OR c.book = '978-0321474049' ORDER BY s.name ASC;
+-----+
| name |
+-----+
| CHNG HUI LING |
| CHOY YI TING |
| DAVID CHAPMAN |
| DAVID HALL |
| DENNIS BECKHAM |
| DENNIS PALMER |
| GE DUO |
| HUANG XUANTI |
| JENNY HUNT |
| LISA SMITH |
| LIU YIHUI |
| LIU ZHENCAI |
| NG ANH QUANG |
| NG YONG MING |
| WANG NA |
| ZHOU XIALIN |
| ZHU CHANG |
+-----+
17 rows in set (0.001 sec)

MariaDB [laujunxiangdb]>
```

Question 12: Delete all the data in table loan.

Command used:

1. DROP TABLE loan;
SHOW TABLES;

```
[MariaDB [laujunxiangdb]> DROP TABLE loan;  
Query OK, 0 rows affected (0.024 sec)  
  
[MariaDB [laujunxiangdb]> SHOW TABLES;  
+-----+  
| Tables_in_laujunxiangdb |  
+-----+  
| book                     |  
| copy                     |  
| student                   |  
+-----+  
3 rows in set (0.001 sec)  
  
MariaDB [laujunxiangdb]> █
```

Question 13: Try the second last query again, and comment on the results.

Command used:

1. `SELECT DISTINCT s.name, l.book FROM student s LEFT JOIN loan l ON s.email = l.borrower LEFT JOIN loan k ON s.email = k.owner WHERE l.book = '978-0321474049' ORDER BY s.name ASC;`

```
MariaDB [laujunxiangdb]> SELECT DISTINCT s.name, l.book FROM student s LEFT JOIN loan l ON s.email = l.borrower LEFT JOIN loan k ON s.email = k.owner WHERE l.book = '978-0321474049' ORDER BY s.name ASC;
ERROR 1146 (42S02): Table 'laujunxiangdb.loan' doesn't exist
MariaDB [laujunxiangdb]>
```

2. Laujunxiangdb.loan doesn't exist.