```
mysql> create database testsql;
Query OK, 1 row affected (0.00 sec)

// AFTER DATABASE IS CREATED
mysql> show databases;
mysql> use testsql;

mysql> show tables;
Empty set (0.00 sec)

mysql> CREATE TABLE Movies (Id int NOT NULL UNIQUE, Title varchar(255), Director
varchar(255), Year int, Minutes int);
Query OK, 0 rows affected (0.05 sec)

mysql> show tables;
```
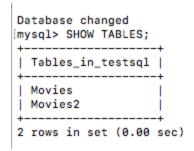
```
Database changed
[mysql> SHOW TABLES;
+------------------+
| Tables_in_testsql |
+------------------+
| Movies           |
| Movies2          |
+------------------+
2 rows in set (0.00 sec)
```

```
mysql> describe Movies;
```

```
[mysql> DESCRIBE MOVIES;
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| Id       | int(11)      | NO   | PRI | NULL    |       |
| Title    | varchar(255) | YES  |     | NULL    |       |
| Director | varchar(255) | YES  |     | NULL    |       |
| Year     | int(11)      | YES  |     | NULL    |       |
| Minutes  | int(11)      | YES  |     | NULL    |       |
+----------+--------------+------+-----+---------+-------+
5 rows in set (0.01 sec)
```

```
INSERT INTO Movies2 (Id, Title, Director, Year, Minutes) VALUES ('4', 'Wall-E', 'Andrew
Scanton', '2008', '104'), ('5', 'Toy Story 2', 'John Lasseter', '1999', '93'), ('6', 'The Incredibles',
'Brad Bird', '2004', '116'), ('7', 'Finding Nemo', 'Andrew Stanton', '2003', '107');

DELETE from Movies2 WHERE Id=2;
SELECT * FROM Movies;
```

```
[mysql> SELECT * FROM Movies;
+----+--------------+----------------+------+---------+
| Id | Title        | Director       | Year | Minutes |
+----+--------------+----------------+------+---------+
|  1 | Cars 2       | John Lasseter  | 2011 |     120 |
|  2 | Up           | Pete Docter    | 2009 |     101 |
|  3 | Toy Story    | John Lasseter  | 1995 |      81 |
|  4 | Cars         | John Lasseter  | 2006 |     117 |
|  5 | Brave        | Brenda Chapman | 2012 |     102 |
|  6 | Toy Story 3  | Lee Unkrich    | 2010 |     103 |
|  7 | A Bugs Life  | John Lasseter  | 1998 |      95 |
+----+--------------+----------------+------+---------+
7 rows in set (0.01 sec)
```

mysql> SELECT Title, Year FROM movies;

```
[mysql> SELECT Title, Year FROM movies;
+-------------+------+
| Title       | Year |
+-------------+------+
| Cars 2      | 2011 |
| Up          | 2009 |
| Toy Story   | 1995 |
| Cars        | 2006 |
| Brave       | 2012 |
| Toy Story 3 | 2010 |
| A Bugs Life | 1998 |
+-------------+------+
7 rows in set (0.00 sec)
```

mysql> SELECT * FROM movies WHERE Id=1;

```
[mysql> SELECT * FROM movies WHERE Id=1;
+----+--------+---------------+------+---------+
| Id | Title  | Director      | Year | Minutes |
+----+--------+---------------+------+---------+
|  1 | Cars 2 | John Lasseter | 2011 |     120 |
+----+--------+---------------+------+---------+
1 row in set (0.00 sec)
```

mysql> SELECT * FROM movies WHERE Year > 1999 AND Year < 2011;
OR
mysql> SELECT * FROM movies WHERE Year BETWEEN 2000 AND 2010;

```
[mysql> SELECT * FROM movies WHERE Year > 1999 AND Year < 2011;
+----+-------------+---------------+------+---------+
| Id | Title       | Director      | Year | Minutes |
+----+-------------+---------------+------+---------+
|  2 | Up          | Pete Docter   | 2009 |     101 |
|  4 | Cars        | John Lasseter | 2006 |     117 |
|  6 | Toy Story 3 | Lee Unkrich   | 2010 |     103 |
+----+-------------+---------------+------+---------+
3 rows in set (0.01 sec)
```

SELECT * FROM movies WHERE Year NOT BETWEEN 2000 AND 2010;

```
[mysql> SELECT * FROM movies WHERE Year NOT BETWEEN 2000 AND 2010;
+----+-------------+-----------------+------+---------+
| Id | Title       | Director        | Year | Minutes |
+----+-------------+-----------------+------+---------+
|  1 | Cars 2      | John Lasseter   | 2011 |     120 |
|  3 | Toy Story   | John Lasseter   | 1995 |      81 |
|  5 | Brave       | Brenda Chapman  | 2012 |     102 |
|  7 | A Bugs Life | John Lasseter   | 1998 |      95 |
+----+-------------+-----------------+------+---------+
4 rows in set (0.00 sec)
```

SELECT * FROM movies WHERE Title LIKE "%Toy Story%";

```
[mysql> SELECT * FROM movies WHERE Title LIKE "%Toy Story%";
+----+-------------+-----------------+------+---------+
| Id | Title       | Director        | Year | Minutes |
+----+-------------+-----------------+------+---------+
|  3 | Toy Story   | John Lasseter   | 1995 |      81 |
|  6 | Toy Story 3 | Lee Unkrich     | 2010 |     103 |
+----+-------------+-----------------+------+---------+
2 rows in set (0.01 sec)
```

SELECT * FROM movies WHERE Director NOT LIKE "%John Lasseter%";

```
mysql> SELECT * FROM movies WHERE Director NOT LIKE "%John Lasseter%";
+----+-------------+-----------------+------+---------+
| Id | Title       | Director        | Year | Minutes |
+----+-------------+-----------------+------+---------+
|  2 | Up          | Pete Docter     | 2009 |     101 |
|  5 | Brave       | Brenda Chapman  | 2012 |     102 |
|  6 | Toy Story 3 | Lee Unkrich     | 2010 |     103 |
+----+-------------+-----------------+------+---------+
3 rows in set (0.00 sec)
```

SELECT * FROM movies WHERE Director="John Lasseter";

```
[mysql> SELECT * FROM movies WHERE Director="John Lasseter";
+----+-------------+-----------------+------+---------+
| Id | Title       | Director        | Year | Minutes |
+----+-------------+-----------------+------+---------+
|  1 | Cars 2      | John Lasseter   | 2011 |     120 |
|  3 | Toy Story   | John Lasseter   | 1995 |      81 |
|  4 | Cars        | John Lasseter   | 2006 |     117 |
|  7 | A Bugs Life | John Lasseter   | 1998 |      95 |
+----+-------------+-----------------+------+---------+
4 rows in set (0.00 sec)
```

// Get all unique directors list alphabetically by first name
SELECT DISTINCT Director FROM movies ORDER BY Director ASC;

```
[mysql> SELECT DISTINCT Director FROM movies ORDER BY Director ASC;
+----------------+
| Director       |
+----------------+
| Brenda Chapman |
| John Lasseter  |
| Lee Unkrich    |
| Pete Docter    |
+----------------+
4 rows in set (0.00 sec)
```

// List 4 most recent movies ordered by most recent
SELECT * FROM movies ORDER BY Year DESC LIMIT 4;

```
[mysql> SELECT * FROM movies ORDER BY Year DESC LIMIT 4;
+----+-------------+-----------------+------+---------+
| Id | Title       | Director        | Year | Minutes |
+----+-------------+-----------------+------+---------+
|  5 | Brave       | Brenda Chapman  | 2012 |     102 |
|  1 | Cars 2      | John Lasseter   | 2011 |     120 |
|  6 | Toy Story 3 | Lee Unkrich     | 2010 |     103 |
|  2 | Up          | Pete Docter     | 2009 |     101 |
+----+-------------+-----------------+------+---------+
4 rows in set (0.00 sec)
```

Select First Five movies sorted alphabetically
SELECT title FROM movies ORDER BY title LIMIT 5;

```
[mysql> SELECT title FROM movies ORDER BY title LIMIT 5;
+-------------+
| title       |
+-------------+
| A Bugs Life |
| Brave       |
| Cars        |
| Cars 2      |
| Toy Story   |
+-------------+
5 rows in set (0.00 sec)
```

Select the next 2 movies listed alphabetically AFTER the first five
SELECT title FROM movies ORDER BY title LIMIT 2 OFFSET 5;

```
mysql> SELECT title FROM movies ORDER BY title LIMIT 2 OFFSET 5;
+-------------+
| title       |
+-------------+
| Toy Story 3 |
| Up          |
+-------------+
2 rows in set (0.00 sec)
```

mysql> SELECT * FROM Movies WHERE Director="John Lasseter" ORDER BY Year DESC;

```
[mysql> SELECT * FROM Movies WHERE Director="John Lasseter" ORDER BY Year DESC;
+----+-------------+---------------+------+---------+
| Id | Title       | Director      | Year | Minutes |
+----+-------------+---------------+------+---------+
|  1 | Cars 2      | John Lasseter | 2011 |     120 |
|  4 | Cars        | John Lasseter | 2006 |     117 |
|  7 | A Bugs Life | John Lasseter | 1998 |      95 |
|  3 | Toy Story   | John Lasseter | 1995 |      81 |
+----+-------------+---------------+------+---------+
4 rows in set (0.00 sec)
```

List all the cities west of Chicago, ordered from west to east

```
SELECT city
FROM north_american_cities
WHERE longitude < -87.629798 ORDER BY Longitude ASC;
```

Table: North_american_cities

City
Los Angeles
Phoenix
Guadalajara
Mexico City
Ecatepec de Morelos
Houston