

Cheat Sheet

Task	Example
What does SQL stand for?	Structured Query Language
Default Port on which MySQL runs?	3306 TCP
Hello World example?	<pre>SELECT "Hello World";</pre>
How to list all databases?	<pre>SHOW DATABASES;</pre>
How to select a database to query against?	<pre>USE DatabaseName;</pre>
How to list storage engines?	<pre>SHOW ENGINES;</pre>
How to display the structure of a table?	<pre>DESCRIBE TableName;</pre> <p>or,</p> <pre>EXPLAIN TableName;</pre>

How to list all tables in a database?

```
SHOW TABLES;
```

How to list all views in a database?

```
SHOW FULL TABLES IN <SUBSTITUTE_DATABASE_NAME> WHERE TABLE_TYPE LIKE 'VIEW';
```

How to display create database statement?

```
SHOW CREATE DATABASE DBName;
```

How to list all tables in a database?

```
SHOW TABLES;
```

How to display create table statement?

```
SHOW CREATE TABLE TableName;
```

How to list available character sets?

```
SHOW CHARACTER SET;
```

How to list available collations?

```
SHOW COLLATION;
```

How to list variables and their values set for the running MySQL server?

```
SHOW VARIABLES;
```

How to get rows from a table?

```
SELECT * FROM TableName;
```

How to create a table?

```
CREATE TABLE MyTable (id INT, name VARCHAR(30));
```

How to create an index on a table?

```
CREATE INDEX indexOnId ON MyTable(  
    id);
```

How to create a table with a primary key?

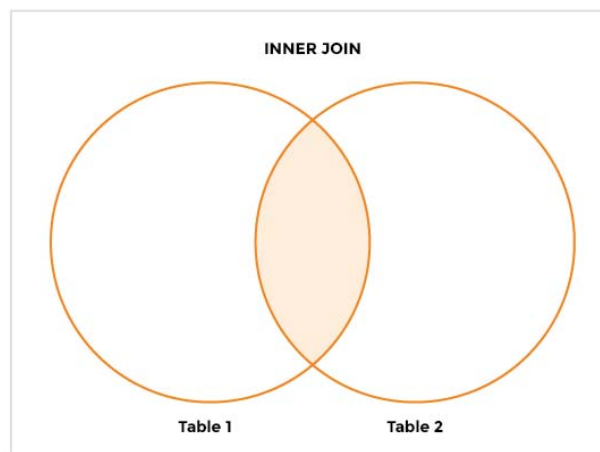
```
CREATE TABLE MyTable (id INT, name  
    VARCHAR(30), PRIMARY KEY (id));
```

How to alter the name of a table?

```
ALTER TABLE MyTable RENAME NotMyTa  
    ble;
```

How to inner join two tables?

```
SELECT * FROM  
    TableA INNER JOIN TableB  
    ON TableA.id = TableB.id;
```



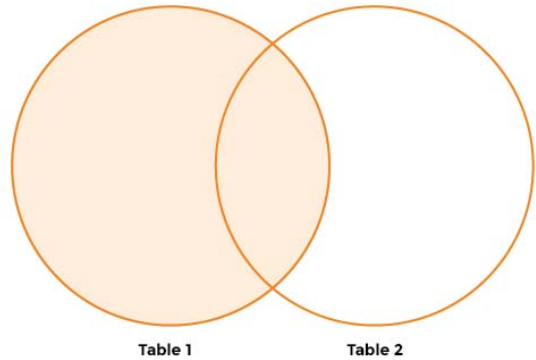
How to left join two tables?

```
SELECT * FROM  
    TableA LEFT JOIN TableB  
    ON TableA.id = TableB.id;
```

How to right join two tables?

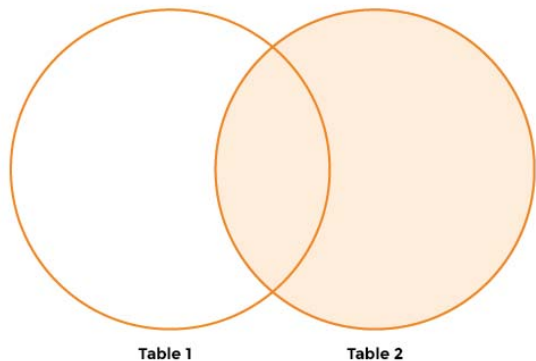
How to find a full outer join?

LEFT JOIN



```
SELECT * FROM  
TableA RIGHT JOIN TableB  
ON TableA.id = TableB.id;
```

RIGHT JOIN



```
SELECT * FROM TableA  
LEFT JOIN TableB  
ON TableA.id = TableB.id
```

UNION ALL

```
SELECT * FROM TableA  
RIGHT JOIN TableB  
ON TableA.id = TableB.id  
WHERE TableA.id IS NULL;
```

FULL OUTER JOIN

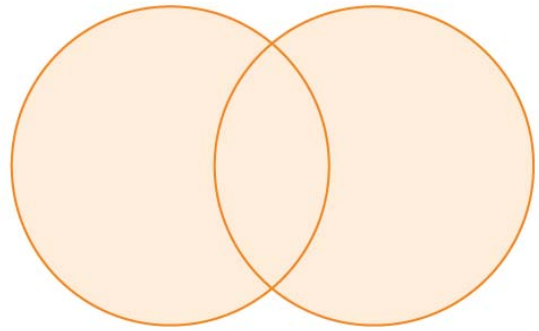


Table 1

Table 2