Q. What is database indexing?

A. An index is a data structure such as B-Tree that improves the speed of data retrieval on a table at the cost of additional writes and storage to maintain it.

When you [create a table](http://www.mysqltutorial.org/mysql-create-table/) with a [primary key](http://www.mysqltutorial.org/mysql-primary-key/) or[unique key](http://www.mysqltutorial.org/mysql-unique-constraint/), MySQL automatically creates a special index named PRIMARY. This index is called the [clustered index](http://www.mysqltutorial.org/mysql-index/mysql-clustered-index/).

MySQL CREATE INDEX statement

CREATE TABLE t(

   c1 INT PRIMARY KEY,

   c2 INT NOT NULL,

   c3 INT NOT NULL,

   c4 VARCHAR(10),

   INDEX (c2,c3)

);

To add an index for a column or a set of columns, you use the CREATE INDEX statement as follows:

|  |  |
| --- | --- |
|  | CREATE INDEX index name ON table\_name (column\_list) |

Q. What is master-slave model database?

A. <https://www.youtube.com/watch?v=GeGxgmPTe4c&fbclid=IwAR1G8A_mCNjJqUp0FsQNDr8NE6NCzR0Y_6jUwrYdUi8Zj_QAutp3vlZKmms>