Multi-column indexing: Takeaways

Syntax

Creating a multi-column index:

```
CREATE INDEX index_name ON table_name(column_name_1, column_name_2);
```

Concepts

When there are two possible indexes available, SQLite tries to estimate which index will result in better performance. However, SQLite is not good at estimating and will often end up picking an index at random.
Use a multi-column index when data satisfying multiple conditions, in multiple columns, is to be retrieved.
When creating a multi-column index, the first column in the parentheses becomes the primary key for the index.
A covering index contains all the information necessary to answer a query.
Covering indexes don't apply just to multi-column indexes.

Resources

[Multi-Column Indexes](#)
[SQLite Index](#)