

# Creating Tables

## CREATE TABLE Syntax

```
CREATE [TEMPORARY] TABLE [IF NOT EXISTS] tbl_name  
(create_definition,...) [table_options]  
[partition_options]
```

### Create a new table:

```
mysql> CREATE TABLE tbl_name (col_name col_def);
```

### List tables:

```
mysql> SHOW TABLES [FROM db_name];
```

### List columns in a table:

```
mysql> DESCRIBE tbl_name [db_name.tbl_name];  
mysql> SHOW COLUMNS FROM tbl_name [FROM db_name];
```

### List tables and columns using the mysqlshow command:

```
# mysqlshow -u NAME -p db_name  
# mysqlshow -u NAME -p db_name tbl_name
```

### List additional information about a table:

```
mysql> SHOW TABLE STATUS [FROM db_name];
```

### Show statement that created a table:

```
mysql> SHOW CREATE TABLE tbl_name;
```



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## Copying and Cloning Tables

Using `CREATE TABLE...LIKE`:

```
CREATE TABLE new_tbl LIKE orig_tbl;
```

Using `CREATE TABLE...SELECT`:

```
CREATE TABLE new_tbl [AS] SELECT * FROM orig_tbl;
```

## DROP TABLE Syntax

```
DROP [TEMPORARY] TABLE [IF EXISTS] tbl_name [,  
tbl_name] ... [RESTRICT | CASCADE]
```

Drop an existing table:

```
DROP TABLE tbl_name;  
DROP TABLE db_name.tbl_name;
```

