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## SQL CREATE DATABASE Statement



In this tutorial, we'll learn about creating databases in SQL with examples.

Before we can work with database tables, we must create a database first.

The `CREATE DATABASE` statement is used to create database tables. For example,

```
CREATE DATABASE my_db;
```

Here, the SQL command creates a database named `my_db`.

### CREATE DATABASE IF NOT EXISTS

If there is already a database with the same name, SQL will throw an error while creating a database.

In such situations, we can use the `CREATE DATABASE IF NOT EXISTS` statement to create a database only if there is no existing database with the same name. For example,

```
CREATE DATABASE IF NOT EXISTS my_db;
```

Here, the SQL command creates a database named `my_db` only if there is no existing database with the same name.

### List all Databases

There could be multiple databases in a database management system. To show the list of databases, we can run the following statement.

```
SHOW DATABASES;
```

Here, the SQL command lists all the available databases in the DBMS.

### Switch Databases

We have to work across multiple databases from time to time. To switch between available databases, we can run the following statement.

```
USE my_db;
```

This code selects the `my_db` database and all SQL operations will be performed inside this database.

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