

- Databases – Schemas in Hive metastore. We can use either of below SQL syntax to create database in

```
CREATE DATABASE db_name
CREATE SCHEMA db_name
```

- Hive metastore is repository of metadata that stores information for data structure such as databases, schemas, tables, partition etc....
- By default, you will have database named default.
- Database folder will have an extension .db to distinguish it from other tables.

```
USE db_x ;
CREATE TABLE table1; (Table1 resides in db_x database)
```

- Possible to create databases out of default hive directory using LOCATION keyword.

```
CREATE schema db_x LOCATION <location>
```

- Two types of Databricks tables – Managed and External tables.

Tables

Managed tables

- ▶ Created under the database directory
 - ▶ CREATE TABLE table_name
- ▶ Dropping the table, delete the underlying data files

External tables

- ▶ Created outside the database directory
 - ▶ CREATE TABLE table_name
LOCATION 'path'
- ▶ Dropping the table, will **Not** delete the underlying data files

- **DESCRIBE EXTENDED** <table name> provides metadata information about table, also we can check the location of table, whether is managed or external.
- **DESCRIBE DATABASE EXTENDED** <database name> provides metadata information about database.