



# CREATING AND MANUPLATING DELTA TABLES

## Step 1

Upload the **dept.parquet** file into primary container of your **ADLS**.

## Step 2

Create staging and target schemas.

```
%%sql
Create schema staging;
create schema delta;
```

## Step 3

Create table from staging.

```
create table staging.dept USING PARQUET LOCATION '/dept.parquet';
select * from staging.dept
```

## Step 4

Create delta table

```
create table Delta.Dept(Deptno integer,Dname string,Location
string) USING DELTA LOCATION '/Delta/Dept';
select * from Delta.dept;
```

## Step 5

Load the data into the table.

```
INSERT OVERWRITE TABLE Delta.Dept
SELECT DISTINCT
Deptno,Dname,Location From Staging.dept;
```

```
select * from Delta.Dept;
```



## Step 6

Create Spark dataframe from delta table

```
deptdf=spark.read.format("delta").load('/Delta/Dept')  
deptdf.show()
```

## Step 7

Checking the version and updating delta table.

```
%%sql  
describe history delta.dept;
```

```
update delta.dept  
set location='Bangalore'  
where deptno=10;
```

```
describe history delta.dept
```

## Step 8

Checking the version based data using pyspark

```
deptdf=spark.read.format("delta").option("versionAsOf","1").load('/Delta/Dept')  
deptdf.show()
```

**\*\*\*\* Happy Learning \*\*\*\***