1. Create database

```
CREATE DATABASE BankDB;
USE BankDB;
```

2. Create tables

```
CREATE TABLE Customer (
  customer_id BIGINT,
  name STRING,
  email STRING
)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','
STORED AS TEXTFILE;
```

3. Tables (Partitioned by)

```
CREATE TABLE Account (
  account_id BIGINT,
  customer_id BIGINT,
  balance DECIMAL(12,2)
)
PARTITIONED BY (branch_id INT)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','
STORED AS TEXTFILE;
```

4.

```
CREATE TABLE Transaction (
  transaction_id BIGINT,
  account_id BIGINT,
  amount DECIMAL(12,2)
)
PARTITIONED BY (branch_id INT)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','
STORED AS TEXTFILE;
```

5. Creating temporary tables

```
CREATE TABLE Customer_tmp (
  customer_id BIGINT,
  name STRING,
  email STRING
)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','
STORED AS TEXTFILE;
```

6. Inserting into temp folder

  LOAD DATA LOCAL INPATH '/tmp/Customer.csv' INTO TABLE Customer_tmp;

7. From temp to main table

   INSERT INTO TABLE Customer SELECT * FROM Customer_tmp;

8. For partitioned tables (Account, Transaction), specify the partition column:

-- For Account
INSERT INTO TABLE Account PARTITION (branch_id)
SELECT account_id, customer_id, balance, branch_id FROM Account_tmp;

-- For Transaction
INSERT INTO TABLE Transaction PARTITION (branch_id)
SELECT transaction_id, account_id, amount, branch_id FROM Transaction_tmp;

9. Drop table items

   DROP TABLE Customer_tmp;
   DROP TABLE Account_tmp;
   DROP TABLE Transaction_tmp;

10. Adding a partition
   ALTER TABLE Account ADD PARTITION (branch_id=6);
   ALTER TABLE Transaction ADD PARTITION (branch_id=6);

11. Drop a partition

   ALTER TABLE Account DROP PARTITION (branch_id=3);
   ALTER TABLE Transaction DROP PARTITION (branch_id=3);

12. Counting the number of transiction in each partition
SELECT branch_id, COUNT(*) AS transaction_count
FROM Transaction
GROUP BY branch_id;

13. If the csv file in local machine then do this for copying in docker
docker cp Customer.csv hive-server:/tmp/
docker cp Account.csv hive-server:/tmp/
docker cp Transaction.csv hive-server:/tmp/

############
In case of using hdfs
Create folder in HDFS
hdfs dfs -mkdir /user/hasib

Upload CSV from container local FS to HDFS
hdfs dfs -put /tmp/customer.csv /user/hasib/

Verify file in HDFS
hdfs dfs -ls /user/hasib/

Then in hive
USE BankDB;
LOAD DATA INPATH '/user/hasib/customer.csv' INTO TABLE Customer;