

Q1.

```
hive> create table Sales_data (sale_id int,product_name string,sale_date date,region string,amount int)
> row format delimited
> fields terminated by ','
> stored as textfile;
```

```
hive> load data local inpath "C:\Users\MRITH\Downloads\CA2data.txt" into table Sales_data;
```

```
hive> create table sales_partition(sale_id int,product_name string,sale_date date,amount int)
> PARTITIONED BY (region STRING, year INT)
> row format delimited
> fields terminated by ','
> stored as textfile;■
```

```
hive> set hive.exec.dynamic.partition.mode=nonstrict;■
```

```
hive> INSERT INTO TABLE sales_partition PARTITION (region, year)
> hive> SELECT sale_id, product_name, sale_date, amount, region, YEAR(TO_DATE(sale_date, 'yyyy-MM-dd'))
> from Sales_data;■
```



Q2.

```
hive> CREATE TABLE transaction (  
  >   transaction_id INT,  
  >   user_id INT,  
  >   transaction_date DATE,  
  >   amount DECIMAL(10, 2)  
  > )  
  > ROW FORMAT DELIMITED  
  > FIELDS TERMINATED BY ','  
  > STORED AS TEXTFILE;
```

```
2024-09-12 14:01:37,129 INFO conf.HiveConf: Using the default value passed in for log id: 8290a5ad-8e0d-43c0-bd74cd2
```

```
2024-09-12 14:01:37,129 INFO session.SessionState: Resetting thread name to main
```

```
hive> load data local inpath "C:\Users\MRITH\Downloads\CA2data2.txt" into table transaction;
```

```
hive> CREATE TABLE transaction (  
  >   transaction_id INT,  
  >   transaction_date DATE,  
  >   amount DECIMAL(10, 2)  
  > )  
  > CLUSTERED BY (user_id) INTO 5 BUCKETS  
  > ROW FORMAT DELIMITED  
  > FIELDS TERMINATED BY ','  
  > STORED AS TEXTFILE;
```

```
hive> set hive.enforce.bucketing=true;
```

```
hive> INSERT OVERWRITE TABLE transaction  
  > SELECT * FROM transactions;
```

2024-09-12 11:13:30,911 INFO exec.ListSinkOpera

|    |     |            |     |
|----|-----|------------|-----|
| 30 | 130 | 2023-08-15 | 600 |
| 25 | 125 | 2023-08-13 | 520 |
| 20 | 120 | 2023-08-10 | 500 |
| 15 | 115 | 2023-08-08 | 320 |
| 10 | 110 | 2023-08-05 | 300 |
| 5  | 105 | 2023-08-03 | 150 |
| 1  | 101 | 2023-08-01 | 500 |
| 26 | 126 | 2023-08-13 | 360 |
| 16 | 116 | 2023-08-08 | 900 |
| 21 | 121 | 2023-08-11 | 410 |
| 6  | 106 | 2023-08-03 | 600 |
| 11 | 111 | 2023-08-06 | 450 |
| 12 | 112 | 2023-08-06 | 700 |
| 22 | 122 | 2023-08-11 | 950 |
| 17 | 117 | 2023-08-09 | 770 |
| 2  | 102 | 2023-08-01 | 750 |
| 7  | 107 | 2023-08-04 | 900 |
| 27 | 127 | 2023-08-14 | 880 |
| 18 | 118 | 2023-08-09 | 650 |
| 8  | 108 | 2023-08-04 | 800 |
| 23 | 123 | 2023-08-12 | 430 |
| 28 | 128 | 2023-08-14 | 710 |
| 3  | 103 | 2023-08-02 | 200 |
| 13 | 113 | 2023-08-07 | 620 |
| 19 | 119 | 2023-08-10 | 240 |
| 24 | 124 | 2023-08-12 | 890 |
| 9  | 109 | 2023-08-05 | 550 |
| 4  | 104 | 2023-08-02 | 350 |
| 29 | 129 | 2023-08-15 | 470 |
| 14 | 114 | 2023-08-07 | 400 |

Time taken: 0.175 seconds, Fetched: 30 row(s)