In [1]:

```
import pandas as pd
import mysql.connector
```

In [2]:

```
conn=mysql.connector.connect(user='root', password='Silambu@1606', host='localhost',port=3306,
                             auth_plugin='mysql_native_password')
```

In [3]:

```
cursor=conn.cursor()
```

In [4]:

```
cursor.execute("DROP DATABASE IF EXISTS phonepe_pulse")
cursor.execute("CREATE DATABASE phonepe_pulse")
cursor.execute("USE phonepe_pulse")
```

In [5]:

```
cursor.execute('''CREATE TABLE agg_trans(MyIndex INTEGER,state VARCHAR(50),year YEAR,
                Quater INTEGER, Transaction_type VARCHAR(50),TRansaction_count INTEGER,Transaction_amount FLOAT,
                PRIMARY KEY (MyIndex))''')
```

In [6]:

```
cursor.execute('''CREATE TABLE agg_user(MyIndex INTEGER,state VARCHAR(50),year YEAR,
                Quater INTEGER,Brand VARCHAR(50),Brand_count INTEGER,Brand_percentage FLOAT,
                PRIMARY KEY (MyIndex))''')
```

In [7]:

```
agg_user_df=pd.read_csv("C:\\Users\\silam\\OneDrive\\Desktop\\Guvi notes\\phonepe\\UserByDevice.csv")
agg_trans_df=pd.read_csv("C:\\Users\\silam\\OneDrive\\Desktop\\Guvi notes\\phonepe\\AggTrans.csv")
```

In [8]:

```
agg_trans_df
```

Out[8]:

	Unnamed: 0	state	year	Quater	Transaction_type	Transaction_count	Transaction_amount
0	0	andaman-&-nicobar-islands	2018	1	Recharge & bill payments	4200	1.845307e+06
1	1	andaman-&-nicobar-islands	2018	1	Peer-to-peer payments	1871	1.213866e+07
2	2	andaman-&-nicobar-islands	2018	1	Merchant payments	298	4.525072e+05
3	3	andaman-&-nicobar-islands	2018	1	Financial Services	33	1.060142e+04
4	4	andaman-&-nicobar-islands	2018	1	Others	256	1.846899e+05
...	...	...	...	...	...	...	...
3589	3589	west-bengal	2022	4	Peer-to-peer payments	184380244	6.202222e+11
3590	3590	west-bengal	2022	4	Merchant payments	171667404	1.408077e+11
3591	3591	west-bengal	2022	4	Recharge & bill payments	48921147	2.602663e+10
3592	3592	west-bengal	2022	4	Financial Services	268388	2.611229e+08
3593	3593	west-bengal	2022	4	Others	610414	4.579379e+08

3594 rows × 7 columns

In [9]:

```
for i in agg_trans_df.to_records(index=False).tolist():
    print(i)
```

. . .

In [10]:

```
agg_user_df
```

Out[10]:

	Unnamed: 0	State	Year	Quater	Brand	Brand_count	Brand_percentage
0	0	andaman-&-nicobar-islands	2018	1	Xiaomi	1665	0.247033
1	1	andaman-&-nicobar-islands	2018	1	Samsung	1445	0.214392
2	2	andaman-&-nicobar-islands	2018	1	Vivo	982	0.145697
3	3	andaman-&-nicobar-islands	2018	1	Oppo	501	0.074332
4	4	andaman-&-nicobar-islands	2018	1	OnePlus	332	0.049258
...	...	...	...	...	...	...	...
6727	6727	west-bengal	2022	1	Lenovo	330017	0.015056
6728	6728	west-bengal	2022	1	Infinix	284678	0.012987
6729	6729	west-bengal	2022	1	Asus	280347	0.012790
6730	6730	west-bengal	2022	1	Apple	277752	0.012671
6731	6731	west-bengal	2022	1	Others	2196334	0.100199

6732 rows × 7 columns

In [ ]:

```

```

In [11]:

```
for i, row in agg_trans_df.iterrows():
        sql = "INSERT INTO phonepe_pulse.agg_trans VALUES (%s,%s,%s,%s,%s,%s,%s)"
        cursor.execute(sql, tuple(row))
        print("Record inserted")

        conn.commit()
```

. . .

In [12]:

```
for i, row in agg_user_df.iterrows():
        sql = "INSERT INTO phonepe_pulse.agg_user VALUES (%s,%s,%s,%s,%s,%s,%s)"
        cursor.execute(sql, tuple(row))
        print("Record inserted")

        conn.commit()
```

. . .

In [15]:

```
cursor.execute('''CREATE TABLE map_trans(MyIndex INTEGER,state VARCHAR(50),year YEAR,
                Quater INTEGER, Transaction_type VARCHAR(50),TRansaction_count INTEGER,Transaction_amount FLOAT,
                PRIMARY KEY (MyIndex))''')
```

In [16]:

```
map_trans_df=pd.read_csv("C://Users//silam//OneDrive//Desktop//Guvi notes//phonepe//MapTrans.csv")
```

In [17]:

```
map_trans_df
```

Out[17]:

	Unnamed: 0	State	Year	Quater	District	Transaction_count	Transaction_amount
0	0	andaman-&-nicobar-islands	2018	1	north and middle andaman district	442	9.316631e+05
1	1	andaman-&-nicobar-islands	2018	1	south andaman district	5688	1.256025e+07
2	2	andaman-&-nicobar-islands	2018	1	nicobars district	528	1.139849e+06
3	3	andaman-&-nicobar-islands	2018	2	north and middle andaman district	825	1.317863e+06
4	4	andaman-&-nicobar-islands	2018	2	south andaman district	9395	2.394824e+07
...	...	...	...	...	...	...	...
14631	14631	west-bengal	2022	4	nadia district	12690126	2.804568e+10
14632	14632	west-bengal	2022	4	birbhum district	7617444	1.614650e+10
14633	14633	west-bengal	2022	4	purba medinipur district	14484229	3.309949e+10
14634	14634	west-bengal	2022	4	maldah district	12492746	2.721861e+10
14635	14635	west-bengal	2022	4	darjiling district	8827502	1.801650e+10

14636 rows × 7 columns

In [18]:

```
for i, row in map_trans_df.iterrows():
        sql = "INSERT INTO phonepe_pulse.map_trans VALUES (%s,%s,%s,%s,%s,%s,%s)"
        cursor.execute(sql, tuple(row))
        print("Record inserted")

        conn.commit()
```

...

In [20]:

```
cursor.execute('''CREATE TABLE district_register(MyIndex INTEGER,state VARCHAR(50),year YEAR,
                Quater INTEGER, District VARCHAR(50),Registered_user INTEGER,App_opening FLOAT,
                PRIMARY KEY (MyIndex))''')
```

In [21]:

```
district_register_df=pd.read_csv("C://Users//silam//OneDrive//Desktop//Guvi notes//phonepe//DistRegistering.csv")
```

In [22]:

```
for i, row in district_register_df.iterrows():
        sql = "INSERT INTO phonepe_pulse.district_register VALUES (%s,%s,%s,%s,%s,%s,%s)"
        cursor.execute(sql, tuple(row))
        print("Record inserted")

        conn.commit()
```

...

In [57]:

```
cursor.execute('''CREATE TABLE map_district(state VARCHAR(50),District VARCHAR(50),
                Latitude FLOAT,Longitude FLOAT,
                PRIMARY KEY (District(50)))''')
```

In [58]:

```
map_district_df=pd.read_csv("C://Users//silam//OneDrive//Desktop//Guvi notes//phonepe//Data_Map_Districts_Longitu
```

In [59]:

```
map_district_df
```

...

In [60]:

```
for i, row in map_district_df.iterrows():
        sql = "INSERT INTO phonepe_pulse.map_district VALUES (%s,%s,%s,%s)"
        cursor.execute(sql, tuple(row))
        print("Record inserted")

        conn.commit()
```

...

In [61]:

```
cursor.execute('''CREATE TABLE map_state(code VARCHAR(50),
                Latitude FLOAT,Longitude FLOAT,state VARCHAR(50),
                PRIMARY KEY (state(50)))''')
```

In [62]:

```
map_state_df=pd.read_csv("C://Users//silam//OneDrive//Desktop//Guvi notes//phonepe//Longitude_Latitude_State_Tabl
```

In [63]:

```
for i, row in map_state_df.iterrows():
        sql = "INSERT INTO phonepe_pulse.map_state VALUES (%s,%s,%s,%s)"
        cursor.execute(sql, tuple(row))
        print("Record inserted")

        conn.commit()
```

...

In [ ]: