

Today's session : 02-Mini Project Designing

DB-Design

-> For this 02-Mini Project we need 4 database tables

USER_MASTER -> To store user registration details

COUNTRY_MASTER -> To maintain countries details

STATE_MASTER -> To maintain states details

CITY_MASTER -> To maintain cities details

USER_MASTER

| | |
|------------|---------------------------------------|
| USER_ID | NUMBER PRIMARY KEY --> Auto Generated |
| FNAME | VARCHAR |
| LNAME | VARCHAR |
| EMAIL | VARCHAR UNIQUE |
| PHNO | VARCHAR |
| DOB | DATE |
| COUNTRY | NUMBER |
| STATE | NUMBER |
| CITY | NUMBER |
| PWD | VARCHAR |
| ACC_STATUS | VARCHAR |

COUNTRY_MASTER

| | |
|--------------|--------------------|
| COUNTRY_ID | NUMBER PRIMARY KEY |
| COUNTRY_NAME | VARCHAR |

STATE_MASTER

| | |
|------------|--------------------|
| STATE_ID | NUMBER PRIMARY KEY |
| STATE_NAME | VARCHAR |
| COUNTRY_ID | NUMBER |

CITY_MASTER

| | |
|-----------|--------------------|
| CITY_ID | NUMBER PRIMARY KEY |
| CITY_NAME | VARCHAR |
| STATE_ID | NUMBER |

-> COUNTRY_MASTER, STATE_MASTER & CITY_MASTER tables are static tables. We should insert data into those tables in the backend manually. Our application will only read the data from these 3 tables.

-> USER_MASTER table is transactional table application will insert the data into this table.

-----Queries to load data into static tables-----

Insert Into COUNTRY_MASTER Values(1,'+91','India');

Insert Into COUNTRY_MASTER Values(2,'+1','Usa');

Insert Into STATE_MASTER Values(1,1,'Andhra Pradesh');

```
Insert Into STATE_MASTER Values(2,1,'Karnataka');  
Insert Into STATE_MASTER Values(3,2,'New Jersey');  
insert into STATE_MASTER values(4,2,'Ohio');
```

```
Insert Into CITY_MASTER Values(1,'Vizag',1);  
Insert Into CITY_MASTER Values(2,'Guntur',1);  
Insert Into CITY_MASTER Values(3,'Banglore',2);  
Insert Into CITY_MASTER Values(4,'Mysore',2);  
Insert Into CITY_MASTER Values(5,'Maywood',3);  
Insert Into CITY_MASTER Values(6,'Westwood',3);  
Insert Into CITY_MASTER Values(7,'Oakwood',4);  
Insert Into CITY_MASTER Values(8,'Cuyahoga County',4);
```

