mysql> create database octpredproject;

Query OK, 1 row affected (0.00 sec)

mysql> use octpredproject;

Database changed

mysql> create table citymaster(cityid int(5) primary key auto\_increment, name Varchar(200) not null unique);

Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> select \* from citymaster;

+--------+--------+

| cityid | name |

+--------+--------+

| 3 | mumbai |

| 2 | nashik |

| 1 | pune |

+--------+--------+

3 rows in set (0.00 sec)

mysql> create table areamster(aid int(5) primary key auto\_increment, name varchar(200) not null unique);

Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> create table areamaster(aid int(5) primary key auto\_increment, name varchar(200) not null unique);

Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> create table areacityjoin(aid int(5),foreign key(aid) references areamaster(aid),cityid int (5), foreign key(cityid) references citymaster (cityid),pincode varchar(10) not null unique);

Query OK, 0 rows affected, 2 warnings (0.02 sec)

mysql> delimiter //

mysql> create procedure savearea (areaname varchar (200), cityid int(5), pincode varchar(20))

-> begin

-> insert into areamaster values('0', areaname);

-> insert into areacityjoin values((select max(aid) from areamaster), cityid,pincode);

-> end

-> //

Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql> delimiter ;

mysql> select \* from areamaster;

+-----+---------+

| aid | name |

+-----+---------+

| 2 | baner |

| 1 | kothrud |

| 4 | warje |

+-----+---------+

3 rows in set (0.00 sec)

mysql> select \* from citymaster;

+--------+--------+

| cityid | name |

+--------+--------+

| 3 | mumbai |

| 2 | nashik |

| 1 | pune |

+--------+--------+

3 rows in set (0.00 sec)

mysql> select \* from areacityjoin;

+------+--------+---------+

| aid | cityid | pincode |

+------+--------+---------+

| 4 | 1 | 411111 |

| 1 | 1 | 441111 |

+------+--------+---------+

2 rows in set (0.00 sec)

mysql> select \* from areacityjoin;

+------+--------+---------+

| aid | cityid | pincode |

+------+--------+---------+

| 5 | 2 | 311011 |

| 4 | 1 | 411111 |

| 7 | 5 | 412321 |

| 1 | 1 | 441111 |

| 6 | 2 | 511001 |

+------+--------+---------+

5 rows in set (0.00 sec)

mysql> select \* from citymaster;

+--------+---------+

| cityid | name |

+--------+---------+

| 5 | amravti |

| 3 | mumbai |

| 2 | nashik |

| 1 | pune |

+--------+---------+

4 rows in set (0.00 sec)

mysql> select \* from areamaster;

+-----+-----------+

| aid | name |

+-----+-----------+

| 7 | badnera |

| 2 | baner |

| 6 | dwarka |

| 1 | kothrud |

| 5 | panchwati |

| 4 | warje |

+-----+-----------+

6 rows in set (0.00 sec)

mysql> select \* from citymaster;

+--------+---------+

| cityid | name |

+--------+---------+

| 5 | amravti |

| 3 | mumbai |

| 2 | nashik |

| 1 | pune |

+--------+---------+

4 rows in set (0.00 sec)

mysql> select \* from areacityjoin;

+------+--------+---------+

| aid | cityid | pincode |

+------+--------+---------+

| 5 | 2 | 311011 |

| 4 | 1 | 411111 |

| 7 | 5 | 412321 |

| 1 | 1 | 441111 |

| 6 | 2 | 511001 |

+------+--------+---------+

5 rows in set (0.00 sec)

mysql> select \* from citymaster;

+--------+---------+

| cityid | name |

+--------+---------+

| 5 | amravti |

| 3 | mumbai |

| 2 | nashik |

| 1 | pune |

+--------+---------+

4 rows in set (0.00 sec)

mysql> select c.name as 'city name' ,a.name as 'area name' ,acj.pincode from citymaster c inner join areacityjoin acj on c.cityid=acj.cityid inner join areamaster a on acj.aid=a.aid;

+-----------+-----------+---------+

| city name | area name | pincode |

+-----------+-----------+---------+

| pune | kothrud | 441111 |

| pune | warje | 411111 |

| nashik | panchwati | 311011 |

| nashik | dwarka | 511001 |

| amravti | badnera | 412321 |

+-----------+-----------+---------+

5 rows in set (0.00 sec)

mysql> create table landsizemaster(sqftid int(5) primary key auto\_increment, sqftsize int (5));

Query OK, 0 rows affected, 2 warnings (0.01 sec)

mysql> select \* from landsizemaster;

+--------+----------+

| sqftid | sqftsize |

+--------+----------+

| 1 | 1000 |

+--------+----------+

1 row in set (0.00 sec)

mysql> select c.name as 'city name' ,a.name as 'area name' ,acj.pincode from citymaster c inner join areacityjoin acj on c.cityid=acj.cityid inner join areamaster a on acj.aid=a.aid;

+-----------+-----------+---------+

| city name | area name | pincode |

+-----------+-----------+---------+

| pune | kothrud | 441111 |

| pune | warje | 411111 |

| nashik | panchwati | 311011 |

| nashik | dwarka | 511001 |

| amravti | badnera | 412321 |

+-----------+-----------+---------+

5 rows in set (0.00 sec)

mysql> select ar.name from areamaster ar inner join areacityjoin acj on ar.aid=acj.aid inner join citymaster cm on cm.cityid=acj.cityid;

+-----------+

| name |

+-----------+

| kothrud |

| warje |

| panchwati |

| dwarka |

| badnera |

+-----------+

5 rows in set (0.00 sec)

mysql> select ar.name from areamaster ar inner join areacityjoin acj on ar.aid=acj.aid inner join citymaster cm on cm.cityid=acj.cityid where cm.cityid=1;

+---------+

| name |

+---------+

| warje |

| kothrud |

+---------+

2 rows in set (0.00 sec)

mysql> create table propertymaster(pid int(5) primary key auto\_increment,propertyname varchar(200),propertyaddress varchar(200),aid int(5),foreign key(aid) references areamaster(aid),sqftid int(5), foreign key(sqftid) references landsizemaster (sqftid));

Query OK, 0 rows affected, 3 warnings (0.05 sec)

mysql> create table propertyhistoricalprices( rid int(5) primary key auto\_increment,pid int(5),foreign key(pid) references propertymaster(pid),price int(5),regdate date);

Query OK, 0 rows affected, 3 warnings (0.02 sec)

mysql> select curdate();

+------------+

| curdate() |

+------------+

| 2024-07-23 |

+------------+

1 row in set (0.00 sec)

select avg(sqftsize) from landsizemaster;

+---------------+

| avg(sqftsize) |

+---------------+

| 620.0000 |

+---------------+

1 row in set (0.00 sec)

mysql> select avg(price) from propertyhistoricalprices;

+------------+

| avg(price) |

+------------+

| 2000.0000 |

+------------+

1 row in set (0.00 sec)

mysql> select price from propertyhistoricalprices;

+-------+

| price |

+-------+

| 1000 |

| 2000 |

| 3000 |

+-------+

3 rows in set (0.00 sec)