**TCOA44 SHRUTEE PIMPARE**

**ASSIGNMENT NO 2**

**Commands for creation of Tables---**

1.Creating table Account(Acc\_no,Branch\_name,Balance) :

mysql> create table Account(

-> Acc\_no int primary key,

-> Branch\_name varchar(15) not null ,

-> Balance int not null);

mysql> insert into Account values

-> (1001,'Pimpri',15000),

-> (1002,'Nigdi',11000),

-> (1003,'Chinchwad',20000),

-> (1004,'Wakad',10000),

-> (1005,'Pimpri',14000),

-> (1006,'Nigdi',17000);

Query OK, 6 rows affected (0.01 sec)

2.Creating Table Branch(Branch\_name,Branch\_city,Assets) :

mysql> create table Branch(

-> Branch\_name varchar(20) not null,

-> Branch\_city varchar(20) not null,

-> Assets int);

Query OK, 0 rows affected (0.02 sec)

mysql> insert into Branch values

-> ('Pimpri','Pune',200000),

-> ('Nigdi','Pimpri\_chinchwad',300000),

-> ('Wakad','Pune',100000),

-> ('Chinchwad','Pimpri\_chinchwad',400000),

->('Sangvi','Pune',230000);

Query OK, 5 rows affected (0.01 sec)

3.Creating table Customer(Cust\_name, Cust\_street, Cust\_city) :

mysql> create table Customer(

-> Cust\_name varchar(20) not null,

-> Cust\_street varchar(20),

-> Cust\_city varchar(20) not null);

Query OK, 0 rows affected (0.03 sec)

mysql> insert into Customer values -> ('Rutuja','JM Road','Pune'),

-> ('Alka','Senapati Road','Pune'),

-> ('Samiksha','Savedi Road','Pimpri\_Chinchwad'),

-> ('Turpti','Lakshmi Road','Pune'),

-> ('Mahima','Pipeline Road','Pimpri\_Chinchwad'),

-> ('Ayushi','FC Road','Pune'),

-> ('Priti','Camp Road','Pimpri\_Chinchwad'); Query OK, 7 rows affected (0.01 sec)

4.Creating table Depositor(Cust\_name, Acc\_no) :

mysql> create table Depositor(

-> Cust\_name varchar(20) not null,

-> Acc\_no int primary key);

Query OK, 0 rows affected (0.03 sec)

mysql> insert into Depositor values

-> ('Rutuja',1005),

-> ('Turpti',1002),

-> ('Samiksha',1004);

Query OK, 3 rows affected (0.01 sec)

5.Creating Table Loan(Loan\_no,Branch\_name, Amount) :

mysql> create table Loan(

-> Loan\_no int primary key,

-> Branch\_name varchar(20) not null,

-> Amount int);

Query OK, 0 rows affected (0.03 sec)

mysql> insert into Loan values

-> (2001,'Pimpri',2000), -> (2002,'Nigdi',1200),

-> (2003,'Pimpri',1400),

-> (2004,'Wakad',1350),

-> (2005,'Chinchwad',1490),

-> (2006,'Pimpri',12300),

-> (2007,'Pimpri',14000);

Query OK, 7 rows affected (0.01 sec)

Records: 7 Duplicates: 0 Warnings: 0

6.Create table Borrower(Cust\_name, Loan\_no) :

mysql> create table Borrower(

-> Cust\_name varchar(20) not null,

-> Loan\_no int primary key);

mysql> insert into Borrower values

-> ('Mahima',2005),

-> ('Trupti',2002),

-> ('Rutuja',2004),

-> ('Ayushi',2006),

-> ('Priti',2007);

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

**TCOA44 SHRUTEE PIMPARE**

**ASSIGNMENT NO 2**

**Commands for creation of Tables---**

Questions-

Q1)Find the names of all branches in Loan relation.

mysql> select Branch\_name from Loan;

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

| Branch\_name |

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

| Pimpri |

| Nigdi |

| Pimpri |

| Wakad |

| Chinchwad |

| Pimpri |

| Pimpri |

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

7 rows in set (0.00 sec)

Q2) Find all loan number from loan made at Pimpri branch with loan ammount>12000.

mysql> select Loan\_no from Loan where Branch\_name='Pimpri' and Ammount>12000;

+---------+

| Loan\_no |

+---------+

| 2006 |

| 2007 |

+---------+

2 rows in set (0.00 sec)

Q3) Find all customer who have loan from bank. Find their names, loan\_no and loan ammount.

mysql> select b.Cust\_name, b.Loan\_no, l.Ammount from Borrower b inner join Loan l on b.Loan\_no=l.Loan\_no;

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

| Cust\_name | Loan\_no | Ammount |

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

| Trupti | 2002 | 1200 |

| Rutuja | 2004 | 1350 |

| Mahima | 2005 | 1490 |

| Ayushi | 2006 | 12300 |

| Priti | 2007 | 14000 |

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

5 rows in set (0.00 sec)

Q4)List all customer in alphabetical order who have loan from Pimpri branch.

mysql> select b.Cust\_name from Borrower b inner join Loan l on b.Loan\_no=l.Loan\_no where l.Branch\_name='Pimpri' order by b.Cust\_name;

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

| Cust\_name |

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

| Ayushi |

| Priti |

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

2 rows in set (0.00 sec)

Q5)Find average account balance at Pimpri branch.

mysql> select avg(Balance) from Account where Branch\_name='Pimpri';

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

| avg(Balance) |

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

| 14500.0000 |

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

1 row in set (0.00 sec)

Q6)Find the average account balance at each branch.

mysql> select Branch\_name, avg(Balance) from Account group by Branch\_name;

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

| Branch\_name | avg(Balance) |

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

| Pimpri | 14500.0000 |

| Nigdi | 14000.0000 |

| Chinchwad | 20000.0000 |

| Wakad | 10000.0000 |

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

4 rows in set (0.00 sec)

Q7)Find no. Of depositer at each branch.

mysql> select Branch\_name, avg(Balance) from Account group by Branch\_name;

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

| Branch\_name | avg(Balance) |

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

| Pimpri | 14500.0000 |

| Nigdi | 14000.0000 |

| Chinchwad | 20000.0000 |

| Wakad | 10000.0000 |

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

4 rows in set (0.00 sec)

Q8) Find the branches where average account balance > 12000;

mysql> select Branch\_name from Account group by Branch\_name having avg(Balance)>1200;

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

| Branch\_name |

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

| Pimpri |

| Nigdi |

| Chinchwad |

| Wakad |

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

4 rows in set (0.00 sec)

Q9) Find number of tuples in customer relation

mysql> select count(Cust\_name) no\_of\_tuples from Customer;

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

| no\_of\_tuples |

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

| 7 |

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

1 row in set (0.00 sec)

Q10)Calculate total loan ammount given by bank.

mysql> select sum(Ammount) Total\_loan\_ammount from Loan;

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

| Total\_loan\_ammount |

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

| 33740 |

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

1 row in set (0.00 sec)

Q11) Delete all loans with loan amount between 1300 and 1500.

mysql> select sum(Ammount) Total\_loan\_ammount from Loan;

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

| Total\_loan\_ammount |

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

| 33740 |

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

1 row in set (0.00 sec)

mysql> select\* from Loan;

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

| Loan\_no | Branch\_name | Ammount |

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

| 2001 | Pimpri | 2000 |

| 2002 | Nigdi | 1200 |

| 2006 | Pimpri | 12300 |

| 2007 | Pimpri | 14000 |

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

4 rows in set (0.00 sec)

Q12)Delete all tuples at every branch located in Nigdi.

mysql> delete from Branch where Branch\_name='Nigidi';

Query OK, 0 rows affected (0.00 sec)

mysql> select\* from Branch;

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

| Branch\_name | Branch\_city | Assets |

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

| Pimpri | Pune | 200000 |

| Nigdi | Pimpri\_chinchwad | 300000 |

| Wakad | Pune | 100000 |

| Chinchwad | Pimpri\_chinchwad | 400000 |

| Sangvi | Pune | 230000 |

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

5 rows in set (0.00 sec)