#### **Create Database:**

#### Query:

Create database Hasib 21225103355;

#### **Create Customer Table:**

#### Query:

create table customer(Customer\_Name varchar(30), Customer\_Street varchar(20), Customer city varchar(20));

Customer\_Name Customer\_Street Customer\_city

### Customer Table value input : *Query:*

```
insert into customer values('Adams','Spring','pittsfield');
insert into customer values('Brooks','Senator','Brooklyn');
insert into customer values('Curry','North','Rye');
insert into customer values('Glenn','Sand Hill','Woodside');
insert into customer values('Green','Walnut','Stamford');
insert into customer values('Hayes','Main','Harrison');
insert into customer values('Johnson','Alma','Palo Alto');
insert into customer values('Jones','Main','Harrison');
insert into customer values('Lindsay','Park','Pittsfield');
insert into customer values('Smith','North','Rye');
insert into customer values('Turner','Putnam','Stamford');
insert into customer values('Williams','Nassau','Princeton');
```

Customer_Name	Customer_Street	Customer_city
Adams	Spring	pittsfield
Brooks	Senator	Brooklyn
Curry	North	Rye
Glenn	Sand Hill	Woodside
Green	Walnut	Stamford
Hayes	Main	Harrison
Johnson	Alma	Palo Alto
Jones	Main	Harrison
Lindsay	Park	Pittsfield
Smith	North	Rye
Turner	Putnam	Stamford
Williams	Nassau	Princeton

### Loan Table Create: *Query:*

create table Loan(Loan\_Number varchar(30), Branch\_Name
varchar(20), Amount int(20));

Loan\_Number Branch\_Name Amount

### Loan Table value input : *Query:*

```
insert into loan values('LL-11','Round Hill','900'); insert into loan values('L-14','Downtown','1500'); insert into loan values('L-15','Perryride','1500'); insert into loan values('L-16','Perryride','1300'); insert into loan values('L-17','Downtown','1000'); insert into loan values('L-23','RedWood','2000'); insert into loan values('L-93','Mianus','500');
```

Loan_Number	Branch_Name	Amount
LL-11	Round Hill	900
L-14	Downtown	1500
L-15	Perryride	1500
L-16	Perryride	1300
L-17	Downtown	1000
L-23	RedWood	2000
L-93	Mianus	500

### Account Table create: *Query*:

create table Account(Account\_Number varchar(20), Branch\_Name
varchar(20), Balance int(10));

Account\_Number Branch\_Name Balance

### Account Table value input : *Ouery*:

```
insert into account values('A-101','Downtown','500'); insert into account values('A-102','Perryridge','400'); insert into account values('A-201','Brighton','900'); insert into account values('A-215','Mianus','700'); insert into account values('A-217','Brighton','750'); insert into account values('A-222','Redwood','700'); insert into account values('A-305','Round Hill','350');
```

Account_Number	Branch_Name	Balance
A-101	Downtown	500
A-102	Perryridge	400
A-201	Brighton	900
A-215	Mianus	700
A-217	Brighton	750
A-222	Redwood	700
A-305	Round Hill	350
71-000	rtound rim	000

### Branch table Create: *Query:*

create table Branch(Branch\_Name varchar(20), Branch\_City
varchar(20), Assets int(20));



### Branch table data input : *Query:*

```
insert into branch values('Brighton', 'Broklyn', '7100000');
insert into branch values('Downtown', 'Broklyn', '9000000');
insert into branch values('Mianus', 'Horseneck', '400000');
insert into branch values('North Town', 'Rye', '3700000');
insert into branch values('Perryridge', 'Horseneck', '1700000');
insert into branch values('Pownal', 'Bennington', '300000');
insert into branch values('Redwood', 'Palo Alto', '2100000');
insert into branch values('Round Hill', 'Horseneck', '8000000');
```

Branch_Name	Branch_City	Assets
Brighton	Broklyn	7100000
Downtown	Broklyn	9000000
Mianus	Horseneck	400000
North Town	Rye	3700000
Perryridge	Horseneck	1700000
Pownal	Bennington	300000
Redwood	Palo Alto	2100000
Round Hill	Horseneck	8000000

#### Q1: Find the names of all branches in the "loan" relation.

#### Query:

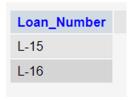
select Branch Name from loan;



### Q2. Find all loan numbers for loans made at the "Perryridge" branch with loan amounts greater than 300.

#### Query:

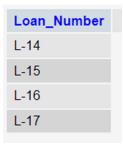
select Loan\_Number from loan where Branch\_Name='Perryride' AND
Amount>300;



# Q3. Find all the loan numbers of the customers who has loan either "Perryridge" branch or "Downtown" branch.

#### Query:

SELECT Loan\_Number from loan where Branch\_Name='Perryride' OR
Branch Name='Downtown';



### Q4. Find all the loan numbers of the customers who has loan either "Perryridge" branch or "Downtown" branch or "Mianus" branch.

#### Query:

SELECT Loan\_Number from loan where Branch\_Name
IN('Perryride','Downtown','Mianus');

Loan_Number
L-14
L-15
L-16
L-17
L-93

# Q5. Find the names of all customers who are not from "Stamford" or "Princeton" or "Harrison" City. Where city NOT IN("Princeton",) Ouery:

SELECT Customer\_Name FROM customer WHERE Customer\_city NOT
IN('Stamford','Princeton','Harrison');



# Q6. Find the largest, minimum and average account balance in the "Account" relation. *Query:*

SELECT Max(Balance) "Maximam Balance", min(Balance) "Minimum Balance", avg(Balance) "Average Balance" FROM account;

Maximam Balance	Minimum Balance	Average Balance
900	350	614.2857

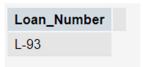
# Q7. Find the total number of customer from "Customer" relation. *Query:*

Select Count(Customer\_Name)"Total no. of customers" from
customer;

Total no. of customers

# Q8. Find the loan number of those loans with loan amounts between 400 and 800. *Query:*

SELECT Loan\_Number FROM loan WHERE Amount>400 AND Amount<800;</pre>



# Q9. Find the names of all customers whose name start with "G". *Query:*

SELECT Customer\_Name from customer where Customer\_Name like
"G%";



# Q10. Find the names of all customers whose name ends with "s". *Query:*

SELECT Customer\_Name from customer where Customer\_Name like
"%s";

