

## 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
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## 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
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### 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
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### Account Table value input :

#### Query:

```
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

**Branch table Create :**

**Query:**

```
create table Branch(Branch_Name varchar(20),Branch_City
varchar(20),Assets int(20));
```

Branch_Name	Branch_City	Assets
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**Branch table data input :**

**Query:**

```
insert into branch values('Brighton','Brooklyn','7100000');
insert into branch values('Downtown','Brooklyn','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	Brooklyn	7100000
Downtown	Brooklyn	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;
```

Branch_Name
Round Hill
Downtown
Perryride
Perryride
Downtown
RedWood
Mianus

**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;
```

Loan_Number
L-15
L-16

**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';
```

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

**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”),**

**Query:**

```
SELECT Customer_Name FROM customer WHERE Customer_city NOT
IN('Stamford','Princeton','Harrison');
```

Customer_Name
Adams
Brooks
Curry
Glenn
Johnson
Lindsay
Smith

**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
12

**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;
```

Loan_Number
L-93

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

**Query:**

```
SELECT Customer_Name from customer where Customer_Name like "G%";
```

Customer_Name
Glenn
Green

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

**Query:**

```
SELECT Customer_Name from customer where Customer_Name like "%s";
```

Customer_Name
Adams
Brooks
Hayes
Jones
Williams