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| A picture containing drawing, stop, room  Description automatically generated | Database Management Systems  Practical #9 | | |
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| **Subject/Course:** | Database Management Systems / BSc IT | | |
| **Practical 8** | PBL- Queries on Banking Database | | |
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| **Perform following queries on Banking Database using the given table.**  **Consider the following database:-**  **I) Account (Branch\_name, Account\_number, Balance)**  **ii)Branch(Branch\_name, Branch\_city, Assets)**  **iii)Customer(Cust\_name, Cust\_street, Cust\_city)**  **iv)Depositor(Cust\_name, Account\_number)**  **v)Loan(Branch\_name, Loan\_number, Amount)**  **vi)Borrower(Cust\_name, Loan\_number)**  **Write the queries for the following.**  **1.Find all loan number for loans made at the Mumbai branch with loan amounts greater than 1200.**  **2.Find the names and loan numbers of all customers who have a loan at the Mumbai branch.**  **3.Find the names of all customers whose street address includes the substring ‘Main’.**  **4.Find the average balance of each customer who lives in Harrison and has at least 3 accounts.**  **5.Find all customers who have both an account and a loan at the Mumbai branch.**  **6.Find the names of all branches that have assets greater than that of each branch in Brooklyn.**  **7.Find the branch that has the higher average balance.** | | | |
| create table account(  Branch\_name varchar(40),  Account\_number int,  Balance int);  desc account;    **create table Branch(**  **branch\_name varchar(200) primary key,**  **branch\_city varchar(30),**  **Assets number)**  **desc Branch;**    create table Customer(  Cust\_name varchar(30) primary key,  Cust\_street varchar(300),  Cust\_city varchar(30))  desc Customer;    **create table Depositor(**  **Cust\_name char(50),**  **Account\_number int)**  **desc Depositor**    **create table Loan(**  **Branch\_name char(50),**  **Loan\_number int,**  **Amount int)**  **desc Loan**    create table Borrower(  Cust\_name char(50),  Loan\_number int)  desc Borrower     1. **create table account8(**   **Branch\_name varchar(40),**  **Account\_number int,**  **Balance int);**  **desc account8**  **insert into account8 values('Dadar',1,1000)**  **insert into account8 values('wadala',2,9000)**  **insert into account8 values('chembur',2,8000)**  **insert into account8 values('vashi',3,6000)**  **insert into account8 values('panvel',4,5000)**  **insert into account8 values('virar',5,1000)**  **insert into account8 values('nerul',6,11000)**  **insert into account8 values('worli',7,8000)**  **insert into account8 values('parel',8,4000)**  **insert into account8 values('Lower parel',9,5000)**    **select \* from account8**    **2. create table Branch(**  **Branch\_name varchar(40),**  **Account\_number int,**  **Balance int);**  **desc Branch**  **insert into Branch values('Dadar',1,1000)**  **insert into Branch values('wadala',2,9000)**  **insert into Branch values('chembur',2,8000)**  **insert into Branch values('vashi',3,6000)**  **insert into Branch values('panvel',4,5000)**  **insert into Branch values('virar',5,1000)**  **insert into Branch values('nerul',6,11000)**  **insert into Branch values('worli',7,8000)**  **insert into Branch values('parel',8,4000)**  **insert into Branch values('Lower parel',9,5000)**    **select \* from Branch** | | | |
| **3.**    **4.**    **5.**    **7.** | | | |