Tejas Bharadwaj DBMS LAB 2 BANK DATABASE

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create database bank1;
use bank1;
create table branch(branch name varchar(20), branch city varchar(20), assets int, primary
key(branch name));
create table bankaccount(acc_no int, branch_name varchar(20), balance int, primary
key(acc no), foreign key(branch name) references branch(branch name));
create table bankcustomer(customer name varchar(20), customer street varchar(20),
customer_city varchar(20),primary key(customer_name));
create table depositer(customer name varchar(20), acc no int primary key, foreign
key(customer_name) references bankcustomer(customer_name));
create table loan(loan number int primary key, branch name varchar(20), amount int,
foreign key(branch name) references branch(branch name));
desc branch:
desc bankaccount;
desc bankcustomer;
desc depositer;
desc loan;
insert into branch values("SBI Chamarajpet", "Bangalore", 50000), ("SBI Residency
Road", "Bangalore", 10000), ("SBI Shivaji Road", "Bangalore", 20000), ("SBI Parliament
Road","Delhi",10000),("SBI Jantarmantar","Delhi",20000);
insert into bankaccount values(1,"SBI_Chamarajpet",2000),(2,"SBI_Residency
Road",5000),(3,"SBI Shivaji Road",6000),(4,"SBI Parliament
Road",9000),(5,"SBI Jantarmantar",8000);
insert into bankcustomer values('Avinash','Bull temple
road', 'Bangalore'), ('Dinesh', 'Bannerghatta road', 'Bangalore'), ('Mohan', 'NationalCollege
road', 'Bangalore'), ('Nikhil', 'Akbar road', 'Delhi'), ('Ravi', 'Prithviraj road', 'Delhi');
insert into depositer values('Avinash',1),('Dinesh',2),('Nikhil',4),('Ravi',5),('Nikhil',9);
insert into loan values(1,"SBI_Chamarajpet",10000),(2,"SBI_Residency
Road",2000),(3,"SBI_Shivaji Road",3000),(4,"SBI_Parliament
Road",4000),(5,"SBI_Jantarmantar",5000);
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-- Display the branch name and assets from all branches in lakhs of rupees and rename the assets column to 'assets in lakhs'.

select branch name, assets/100000 as "assets in lakhs"

from branch;

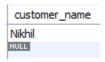
branch_name	assets in lakhs
SBI_Chamarajpet	0.5000
SBI_Jantarmantar	0.2000
SBI_Parliament Road	0.1000
SBI_Residency Road	0.1000
SBI_Shivaji Road	0.2000

-- Find all the customers who have at least two accounts at the same branch (ex. SBI_ResidencyRoad).

select c.customer_name

from bankcustomer c

where c.customer_name=(select customer_name from depositer group by customer_name having count(acc_no)>=2);



-- CREATE A VIEW WHICH GIVES EACH BRANCH THE SUM OF THE AMOUNT OF ALL THE LOANS AT THE BRANCH.

create view branch loan as

select branch name, sum(amount) as total loan

from loan

group by branch_name;

select* from branch_loan;

branch_name	total_loan
SBI_Chamarajpet	10000
SBI_Jantarmantar	5000
SBI_Parliament Road	4000
SBI_Residency Road	2000
SBI_Shivaji Road	3000