

Assignment 2-2

DBMS LAB

IT552

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Fifth Semester

Information Technology (HY)

4. Give the deposit details and loan details of the customers in the city where Clark lives

Using MySQL

```
select Act_no, C_name, Deposit.B_name, Amount from
Deposit, Branch
where Deposit.B_name = Branch.B_name and Branch.City = (
select city from customer where C_name = 'CLARK')
union
select Loan_no, C_name, Borrow.B_name, Amount from
Borrow, Branch where
Borrow.B_name = Branch.B_name and Branch.city = (
select city from customer where C_name = 'CLARK');
```

	Act_no	C_name	B_name	Amount
▶	KEN131	CLARK	Jadavpur	3500
	LNJDP1	PETER	Jadavpur	5000
	LNJDP2	CLARK	Jadavpur	3000

5. List the number of customers who are depositors as well as borrowers

Using MySQL

```
select count(Deposit.C_name) from Deposit, Borrow where
Deposit.C_name=Borrow.C_name;
```

	count(Deposit.C_name)
▶	4

6. Give the name of borrowers' loan amount greater than the loan amount of Peter

Using MySQL

```
select C_name from Borrow where Amount > (select amount
from borrow where C_name = 'PETER');
```

	C_name
►	TONY

7. Give the name of depositors having the same branch city as that of Peter and same city as that of Bruce

Using MySQL

```
select distinct Deposit.C_name, Deposit.Act_no
from Deposit, Branch, Customer,
      (select distinct Branch.City from Branch, Deposit,
Borrow where
      (Deposit.C_name = 'PETER'
      and Deposit.B_name = Branch.B_name)
      or
      (Borrow.C_name = 'PETER'
      and Borrow.B_name = Branch.B_name)) as Scity
where Deposit.B_name = Branch.B_name
and Branch.City = Scity.City
and Deposit.C_name = Customer.C_name
and Customer.City = (
      select City
      from Customer
      where C_name = 'BRUCE');
```

	C_name	Act_no
►	BRUCE	WAY561
	PETER	PAR121
	STEVE	ROG331

8. List all the depositors living in Mumbai and having branch city Kolkata

Using MySQL

```
select Customer.C_name from Customer,Deposit,(select  
deposit.C_name from Deposit,Branch where  
Deposit.B_name = Branch.B_name and Branch.city = 'Kolkata'  
union  
select Borrow.C_name from Borrow,Branch where  
Borrow.B_name = Branch.B_name and Branch.city = 'Kolkata'  
) as BName where  
Deposit.C_name = Customer.C_name and  
Customer.City='Mumbai' and Customer.C_name = BName.C_name;
```

	C_name
▶	Peter
	Steve

9. List all the customers who are depositors and borrowers and are living in the same city as Steve

Using MySQL

```
select Customer.C_name  
from Customer,(select Customer.C_name,Customer.City from  
Customer,Deposit,Borrow  
where Customer.C_name = Deposit.C_name and Deposit.C_name  
= Borrow.C_name) as CName where  
CName.City = (select city from customer where C_name  
='Steve') and CName.C_name = customer.C_name;
```

	C_name
▶	Bruce
	Peter

10. List the customers who are borrowers or depositors and having city Kolkata and branch city same as Steve

Using MySQL

```
select customer.c_name from customer,
(select Deposit.C_name, Branch.City from Deposit,Branch
where Deposit.B_name = Branch.B_name
union
select Borrow.C_name, Branch.City from Borrow,Branch where
Borrow.B_name = Branch.B_name) as TTable
where TTable.C_name = customer.c_name and TTable.City in (
select Branch.City from Deposit,Branch where
Deposit.B_name = Branch.B_name and Deposit.C_name =
'STEVE'
union
select Branch.City from Borrow,Branch where Borrow.B_name
= Branch.B_name and Borrow.C_name ='STEVE'
) and Customer.City='Kolkata';
```

	c_name
▶	Clark