

Assignment 2-4

DBMS LAB

IT552

Aditya Badayalya

510819056

Fifth Semester

Information Technology (HY)

17. List the names of the customers in branch 'JADAVPUR' having more deposits than any other customer in the same branch

```
select C_name from (  
select max(total_deposit) as max_deposit from (  
select C_name,sum(amount) as total_deposit from deposit  
where B_name='Jadavpur' group by C_name  
)temp)Cm, (select C_name, sum(amount) as total_deposit  
from deposit where B_name='Jadavpur'  
group by C_name) Dm  
where Cm.max_deposit = Dm.total_deposit;
```

C_name

CLARK

18. List the names of the customers having highest deposit in the city where branch of STEVE is located

```
select C_name,total_deposit from (  
select max(total_deposit) as max_deposit from (  
select deposit.C_name,Customer.City,sum(amount) as  
total_deposit from deposit,Customer  
where Customer.City in (  
select City from branch where B_name in (  
select distinct B_name  
from deposit where C_name = 'STEVE'  
union  
select distinct  
B_name from borrow where C_name='STEVE')
```

```

) group by deposit.C_name
)temp)Cm,
(select Deposit.C_name, Customer.City, sum(amount) as
total_deposit from deposit, Customer
where Customer.City in(
select City from branch where B_name in(
select distinct B_name from deposit where Deposit.C_name =
'STEVE'
union
select distinct B_name from borrow where C_name='STEVE'))
group by deposit.C_name) Dm
where Cm.max_deposit = Dm.total_deposit;

```

C_name	total_deposit
TONY	9000

19. List the name of depositors having maximum deposit among depositors of Delhi for the branch ANDHERI

```

select rr.C_name, total_deposit from(
select max(total_deposit) as max_deposit, C_name from (
select sum(amount) as total_deposit, C_name from deposit
where C_name in
(select C_name from customer where city = 'Delhi') and
B_name = 'ANDHERI' group by C_name
)ss)sss,
(select sum(amount) as total_deposit, C_name from deposit
where C_name in
(select C_name from customer where city = 'Delhi') and
B_name = 'ANDHERI' group by C_name
)rr where rr.total_deposit=sss.max_deposit;

```

	C_name	total_deposit
▶	NATASHA	5000

20. Give the name of the branches having number of depositors more than that of number of borrowers

```
select deposit_branch as 'Branch', deposit_count,
borrow_count from
(
select B_name as deposit_branch, count(distinct(C_name)) as
deposit_count
from deposit group by B_name
)a, (
select B_name as borrow_branch, count(distinct(C_name)) as
borrow_count
from borrow group by b_name
)b where deposit_branch = borrow_branch and deposit_count
> borrow_count;
```

	Branch	deposit_count	borrow_count
▶	Andheri	2	1

21. Give the names of the borrowers having the same branch city as the highest borrower

```
select C_name from
(select C_name as max_borrower from (
select max(total_borrow) as max_borrow from (
select C_name, sum(amount) as total_borrow from borrow
group by C_name
```

```
)temp)Cm, (select C_name, sum(amount) as total_borrow from  
borrow group by C_name) Dm
```

```
where Cm.max_borrow = Dm.total_borrow)br, deposit where  
B_name in
```

```
((select B_name from deposit where C_name =  
br.max_borrower)union(select B_name from borrow where  
C_name = br.max_borrower)) and C_name <> br.max_borrower
```

```
union
```

```
select C_name from
```

```
(select C_name as max_borrower from (
```

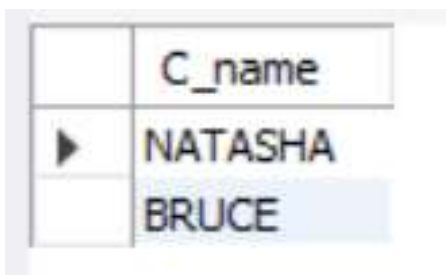
```
select max(total_borrow) as max_borrow from (
```

```
select C_name,sum(amount) as total_borrow from borrow  
group by C_name
```

```
)temp)Cm, (select C_name, sum(amount) as total_borrow from  
borrow group by C_name) Dm
```

```
where Cm.max_borrow = Dm.total_borrow)br, borrow where  
B_name in
```

```
((select B_name from deposit where C_name =  
br.max_borrower)union(select B_name from borrow where  
C_name = br.max_borrower)) and C_name <> br.max_borrower;
```



	C_name
▶	NATASHA
	BRUCE

22. Give 10% interest to all the depositors living in Delhi and branch city in Mumbai

```
Update deposit
```

```
set amount = amount/10 + amount
```

```
where C_name in
```

```
(select Customer.C_name as name_c from
((select c_name from deposit where B_name in (select
B_name from Branch where City = 'Mumbai')) union
(select c_name from borrow where B_name in (select B_name
from Branch where City = 'Mumbai'))an,
customer where an.C_name = customer.C_name and
Customer.city = 'Delhi');
```

expected updates

	C_name	Amount	New_Amount
►	NATASHA	5000	5500.0000
	TONY	9000	9900.0000

After update statement

	Act_no	C_name	B_name	Amount
►	ROM112	NATASHA	Andheri	5500
	STA901	TONY	Faridabad	9900