Assignment 2-5

DBMS LAB
IT552

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Fifth Semester

Information Technology (HY)

23. Assign to the deposit of 'Clark' the maximum deposit of branch 'Andheri'

update deposit

set amount = (select max(total_deposit) as max_deposit_in_Andheri from

 (select sum(amount) as total_deposit from deposit where B_name='Andheri' group by C_name)tb)

where C_name ='Clark';

Maximum deposit in Branch 'Andheri'

	max_deposit_in_Andheri
▶	7000

Details of Clark's deposit (before)

	Act_no	C_name	B_name	Amount
▶	KEN131	CLARK	Jadavpur	3500

Details of Clark's deposit (After)

	Act_no	C_name	B_name	Amount
▶	KEN131	CLARK	Jadavpur	7000

24. Transfer Rs. 1000 from account of Clark to account of Steve if both are having the same branch

update deposit

set amount = amount + 1000

where C_name = 'Steve' and

B_name in (select * from (select B_name from deposit where C_name ='Clark' and amount > 1000));

update deposit

set amount = amount - 1000

where C_name = 'Clark' and amount > 10000 and

```
B_name in (select * from (select B_name from deposit where
C_name ='Steve')tm);
```

Before

	Act_no	C_name	B_name	Amount
▶	KEN131	CLARK	Jadavpur	7000
	ROG331	STEVE	Jadavpur	1200

After

	Act_no	C_name	B_name	Amount
▶	KEN131	CLARK	Jadavpur	6000
	ROG331	STEVE	Jadavpur	2200

25. Add Rs 1000 to the amount of all depositors having deposit equal to or higher than the average deposit of their branches

```
update deposit
```

```
set amount = amount + 1000
```

```
where Act_no in (select * from (select act_no from
deposit, (select max(amount) as mx_amount from deposit
group by b_name)tb where amount = tb.mx_amount)ttb);
```

before

	Act_no	C_name	max(amount)	B_name
▶	ROM112	NATASHA	7000	Andheri
	PAR121	PETER	5000	Chembur
	STA901	TONY	9900	Faridabad
	KEN131	CLARK	6000	Jadavpur

after

	Act_no	C_name	max(amount)	B_name
▶	ROM112	NATASHA	8000	Andheri
	PAR121	PETER	6000	Chembur
	STA901	TONY	10900	Faridabad
	KEN131	CLARK	7000	Jadavpur

26. Add Rs. 1000 to the amount of all depositors having deposit equal to or higher than the average deposit of the branches

update deposit

set amount = amount + 1000

where act_no in (

select * from (

select deposit.act_no from deposit,

(select b_name,sum(amount)/count(amount) as average from deposit group by b_name)tb

where tb.B_name = deposit.b_name and deposit.Amount >= tb.average

)tbb

);

Before

	b_name	average
▶	Andheri	6750.0000
	Chembur	6000.0000
	Faridabad	10900.0000
	Jadavpur	4600.0000

	act_no	c_name	B_name	amount
▶	KEN131	CLARK	Jadavpur	7000
	PAR121	PETER	Chembur	6000
	STA901	TONY	Faridabad	10900
	WAY561	BRUCE	Andheri	8000

After

	act_no	c_name	b_name	amount
▶	KEN131	CLARK	Jadavpur	8000
	PAR121	PETER	Chembur	7000
	STA901	TONY	Faridabad	11900
	WAY561	BRUCE	Andheri	9000

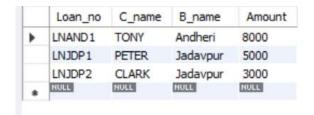**27. Delete borrower of branches having average loan less than 3000**

```
delete from borrow
where loan_no in
(
select * from(
select borrow.Loan_no from borrow,
(select b_name from
(select sum(amount)/count(amount) as average_loan, b_name
from borrow group by b_name)tb
where average_loan < 3000) tbb
where borrow.B_name = tbb.B_name
)tbbt
);
```

Before

	average_loan	b_name
▶	8000.0000	Andheri
	2000.0000	Chembur
	2000.0000	ESPLANEDE
	4000.0000	Jadavpur

	Loan_no	C_name	b_name	amount
▶	LNCHM1	BRUCE	Chembur	2000
	LNESP1	NATASHA	ESPLANEDE	2000

After

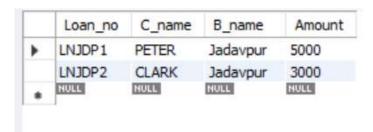|	Loan_no	C_name	B_name	Amount
▶	LNAND1	TONY	Andheri	8000
	LNJDP1	PETER	Jadavpur	5000
	LNJDP2	CLARK	Jadavpur	3000
*	NULL	NULL	NULL	NULL

Records deleted

28. Delete the borrowers of branches having minimum number of customers

```
delete from borrow

where b_name in

(

select b_name from (select b_name,min(b_count) as
min_c_count from (select b_name,count(C_name) as b_count
from borrow group by b_name)tb)tbb

);
```

Before

	Loan_no	C_name	B_name	Amount
▶	LNAND1	TONY	Andheri	8000
	LNJDP1	PETER	Jadavpur	5000
	LNJDP2	CLARK	Jadavpur	3000

After

	Loan_no	C_name	B_name	Amount
▶	LNJDP1	PETER	Jadavpur	5000
	LNJDP2	CLARK	Jadavpur	3000
*	NULL	NULL	NULL	NULL

29. Delete the deposit of 'Steve' and 'Peter' if both are living in same city
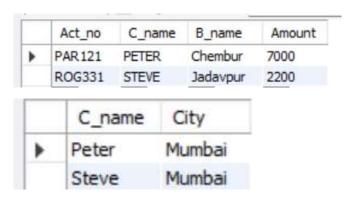
```
delete from deposit

where c_name in (

select * from (

select c_name from deposit where c_name in
('Steve','Peter') and

(select city from customer where c_name ='Steve') =
(select city from customer where c_name ='Peter')
```

```
)tb

);
```

Before

	Act_no	C_name	B_name	Amount
▶	PAR121	PETER	Chembur	7000
	ROG331	STEVE	Jadavpur	2200

	C_name	City
▶	Peter	Mumbai
	Steve	Mumbai

After

```
1 •    select * from deposit where c_name in ('Steve','Peter');
```

Result Grid | ▦ | ↻ Filter Rows: [   ] | Edit: 🖍 🖳 🖳 | Export/Import

	Act_no	C_name	B_name	Amount
*	NULL	NULL	NULL	NULL