Assignment 2-3

DBMS LAB
IT552

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Fifth Semester

Information Technology (HY)

11. List all the cities where branches of PETER and STEVE are located

select distinct Branch.City from Branch,Borrow

where Borrow.B_name = Branch.B_name and Borrow.C_name in ('PETER', 'STEVE')

union

select distinct Branch.City from Branch,Deposit

where Deposit.B_name = Branch.B_name and Deposit.C_name in ('PETER', 'STEVE');

	City
▶	Kolkata
	Mumbai

12. List the name of the branch having highest number of depositors

select B_name,no_of_customer as 'Number of Depositors' from (

select max(no_of_customer) as C_max from (

select B_name, count(B_name) as no_of_customer from Deposit group by B_name

) Branch_count) Cm, (

select B_name , count(B_name) as no_of_customer from deposit group by B_name

) Bc where Cm.C_max = Bc.no_of_customer ;

	B_name	Number of Depositors
▶	Jadavpur	2

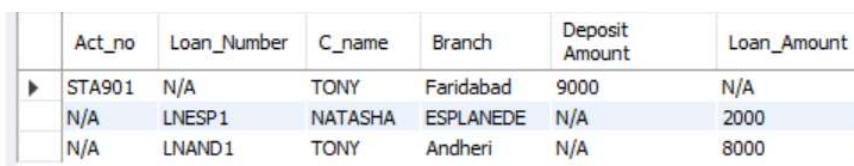## 13. List the name of the customer having maximum deposit

select C_name from (

select max(total_deposit) as max_deposit from (

select C_name,sum(amount) as total_deposit from deposit group by C_name

)temp)Cm, (select C_name, sum(amount) as total_deposit from deposit group by C_name) Dm

where Cm.max_deposit = Dm.total_deposit;

C_name
TONY

14. List all customers along with their amount who are either depositors or borrowers and living city is delhi

select deposit.Act_no, 'N/A' as Loan_Number, Deposit.C_name, Deposit.b_name as'Branch',sum(Deposit.Amount) as 'Deposit Amount', 'N/A' as Loan_Amount

from Deposit,Customer where customer.c_name = Deposit.C_name and customer.city = 'Delhi' group by Act_no

union

select 'N/A' as col1,Loan_no, Borrow.C_name,Borrow.b_name as'Branch','N/A' as col2, sum(Borrow.Amount) as Loan_Amount

from Borrow,Customer where customer.c_name = Borrow.C_name and customer.city = 'Delhi' group by Loan_no;

Act_no	Loan_Number	C_name	Branch	Deposit Amount	Loan_Amount
STA901	N/A	TONY	Faridabad	9000	N/A
N/A	LNESP1	NATASHA	ESPLANEDE	N/A	2000
N/A	LNAND1	TONY	Andheri	N/A	8000

15. List all the depositors having deposit in all the branches where Natasha is having an account

select C_name,B_name from deposit where

B_name in (select B_name from Deposit where C_name ='TONY'

union select B_name from Borrow where C_name='TONY');

	C_name	B_name
▶	TONY	Faridabad
	BRUCE	Andheri

16. List total deposit of the customers living in the city where Tony is living

select sum(amount)as 'Total Deposit',Customer.City from Customer,

(select city from customer where c_name = 'TONY') cm,Deposit

where customer.City = cm.city and Deposit.C_name = Customer.C_name;

	Total Deposit	City
▶	9000	Delhi