Assignment 2

SQL> desc	Borrower;
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Name Null? Type

CUST_NAME NOT NULL VARCHAR2(20)

LOAN_NO NOT NULL NUMBER(38)

SQL> select * from Account;

ACC_NO BRANCH	_NAME	BALANCE
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101 Sb road 4000

102 Mg road 5000

103 Vile Parle 6000

104 Akurdi 13000

SQL> select * from branch;

BRANCH_NAME	BRANCH_CITY	ASSETS
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Sb road Pune 200

Mg road Nashik 250

Vile Parle Mumbai 190

Akurdi Pune 300

SQL> select * from customer;

CUST_NAME CUST_STREET CUST_CITY

ABC Street 1 Pune

PQR Street 2 Nashik

XYZ	Street 3	Mumbai
VVV	Street 4	Pune

SQL> select * from Depositor;

CUST_NAME	ACC_NO
PQR	102
ABC	101
XYZ	103
VVV	104

SQL> select * from Loan;

LOAN_NO BRANCH	_NAME	AMOUNT
1 Sb road	1000	
2 Mg road	11000	
3 Vile Parle	13000	
4 Akurdi	1400	

SQL> select * from Borrower;

CUST_NAME	LOAN_NO
PQR	2
ABC	1
XYZ	3
VVV	4

Q1. Find the names of all branches in loan relation.

BRANCH_NAME	[
Sb road			
Mg road			
Akurdi			
Vile Parle			
Q2. Find all loa	ın nu	ımbers for l	oans made at Akurdi Branch with loan amount > 12000.
SQL> select loa	n_nc	from loan1	where branch_name='AKURDI' and amount>12000;
LOAN_NO			
1004			
Q3. Find all cus	stom	ers who hav	ve a loan from bank. Find their names, loan_no and loan amount.
SQL> SELECT cus Loan.loan_no=B	_		an_no,amount FROM Borrower,Loan WHERE 9;
CUST_NAME		LOAN_NO	AMOUNT
ABC	1	1000	
PQR	2	11000	
XYZ	3	13000	
VVV	4	1400	

SQL> SELECT Branch_name FROM LOAN GROUP BY Branch_name;

Q4. List all customers in alphabetical order who have loan from Akurdi branch.

SQL> SELECT CUST_NAME FROM LOAN,BORROWER WHERE LOAN.LOAN_NO=BORROWER.LOAN_NO AND BRANCH_NAME='AKURDI' ORDER BY CUST_NAME;

Q5. Find all customers who have an account or loan or both at bank.

SQL> SELECT CUST_NAME,LOAN.LOAN_NO,AMOUNT FROM BORROWER,LOAN WHERE LOAN.LOAN_NO=BORROWER.LOAN_NO;

CUST_NAME		LOAN_NO	AMOUNT
ABC	1	1000	
PQR	2	11000	
XYZ	3	13000	
VVV	4	1400	

Q6. Find all customers who have both account and loan at bank.

SQL> SELECT CUST_NAME FROM DEPOSITOR UNION SELECT CUST_NAME FROM BORROWER;

CUST_NAME
----PQR
ABC
XYZ
VVV

Q7. Find all customer who have account but no loan at the bank.

SQL> SELECT CUST_NAME FROM CUSTOMER MINUS SELECT CUST_NAME FROM BORROWER;

no rows selected

SQL> SELECT AVG(balance) FROM Account WHERE branch_name='Akurdi'; AVG(BALANCE) 13000

Q9. Find the average account balance at each branch

Q8. Find average account balance at Akurdi branch.

SQL> SELECT branch_name, AVG(balance) FROM Account GROUP BY branch_name;

BRANCH_NAME	AVG(BALANCE)
Sb road	4000
Mg road	5000
Akurdi	13000
Vile Parle	6000

Q10. Find no. of depositors at each branch.

SQL> SELECT COUNT(cust_name),branch_name FROM Account,Depositor WHERE Account.Acc_no=Depositor.Acc_no GROUP BY branch_name;

COUNT(CUST_NAME) BRANCH_NAME ---- 1 Sb road 1 Mg road 1 Akurdi 1 Vile Parle

Q11. Find the branches where average account balance > 12000.

SQL> SELECT br AVG(balance)>2	ranch_name,AVG(balance) FROM Account GROUP BY branch_name HAVING 12000;
_	E AVG(BALANCE)
Akurdi	13000
Q12. Find numb	per of tuples in customer relation.
SQL> SELECT CO	DUNT(*) FROM customer;
COUNT(*)	
4	
Q13. Calculate t	total loan amount given by bank.
-	m(amount) from loan1;
SUM(AMOUNT)
185000	
Q14. Delete all l	oans with loan amount between 1300 and 1500.
SQL> delete fro	m Loan where amount>1300 and amount<1500;
0 rows deleted.	
Q15. Delete all t	suples at every branch located in Nigdi.
SQL> DELETE FF	ROM Account WHERE branch_name='Nigdi';
0 rows deleted.	
Q.16. Create syı	nonym for customer table as cust.
SQL> CREATE SY	YNONYM cust FOR customer;
Synonym create	ed.
Q.17. Create se	quence roll_seq and use in student table for roll_no column.
SQL> CREATE SEC	QUENCE ROLL_SEQ START WITH 1 INCREMENT BY 1 MINVALUE 1 MAXVALUE 100;
Sequence create	d.