Name: Gourangi Taware Roll no:TECOB267

SQL Worksheet

SQL Worksheet

1 SELECT * FROM Account;

1				
2	select	*	from	Branch;

ACC_NO	BRANCH_NAME	BALANCE
1	Akurdi	10000
2	Chinchwad	15000
3	Pune	40000
4	Nigdi	25000
5	Akurdi	20000
6	Akurdi	27000
7	Chinchwad	40000

BRANCH_CITY	ASSETS
Pune	No Assets
Pune	Near Elpro Mall
Pune	Government
Pune-City	No Assets
	Pune Pune Pune

Download CSV

4 rows selected.

7 rows selected.

SQL Worksheet

SQL Worksheet

1 select * from Depositor;

CUST_NAME	CUST_STREET	CUST_CITY
Sanjay	Link Road	Pune
Vaishali	MG Road	Pune
Sunita	FS Road	Pune
Dilip	FS Road	Pune
Nikita	MG Road	Pune
Vikas	Link Road	Pune
Sam	Deccan	Pune-City

1 select * from Customer;

CUST_NAME	ACC_NO	
Dilip	1	
Vaishali	2	
Sam	3	
Sunita	4	
Nikita	5	
Sanjay	6	
Vikas	7	
Download CSV		

7 rows selected.

Download CSV

SQL Worksheet

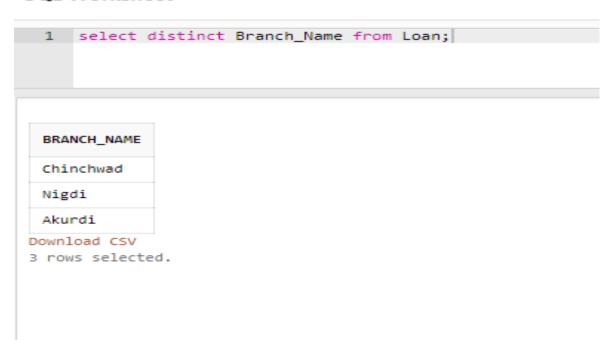
SQL Worksheet



CUST_NAME	LOAN_NO
Vaishali	1000
Vikas	1002
Dilip	1003
Sunita	1004
Nikita	1005

1 select * from Borrower;

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



Q2. Find all loan numbers for loans made at Akurdi Branch with loan amount > 12000

SQL Worksheet

```
1 select loan_no from loan
2 where branch_name='Akurdi' and amount>12000;

LOAN_NO
1003
1005
Download CSV
2 rows selected.
```

Q3. Find all customers who have a loan from bank. Find their names ,loan_no and loan amount.

SQL Worksheet

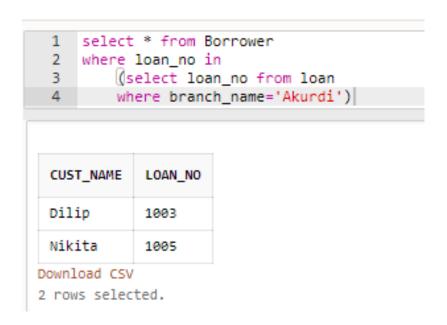
```
1 select B.cust_name,B.loan_no,L.Amount
2 from Borrower B , Loan L
3 where B.loan_no=L.loan_no;
4
```

CUST_NAME	LOAN_NO	AMOUNT
Vaishali	1000	50000
Vikas	1002	70000
Dilip	1003	55000
Sunita	1004	80000
Nikita	1005	45000

Download CSV

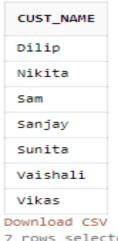
Q4. List all customers in alphabetical order who have loan from Akurdi branch.

SQL Worksheet



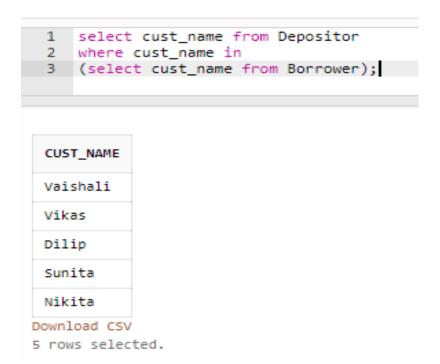
Q5. Find all customers who have an account or loan or both at bank. SQL Worksheet

```
select cust_name from Depositor
   UNION
2
3 select cust_name from Borrower;
```



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

SQL Worksheet



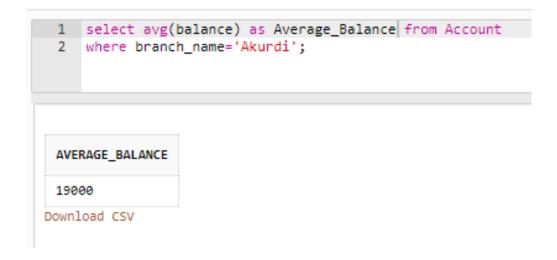
Q7. Find all customer who have account but no loan at the bank.

```
1 select cust_name from Depositor
2 where cust_name not in
3 (select cust_name from Borrower);

CUST_NAME
Sam
Sanjay
Download CSV
2 rows selected.
```

Q8. Find average account balance at Akurdi branch.

SQL Worksheet



Q9. Find the average account balance at each branch

SQL Worksheet

```
1 select branch_name,avg(balance) as Average_Balance from Account
2 group by branch_name;
3
```

BRANCH_NAME	AVERAGE_BALANCE
Pune	40000
Chinchwad	27500
Nigdi	25000
Akurdi	19000

Download CSV

Q10. Find no. of depositors at each branch.

SQL Worksheet

```
1 select branch_name, count(acc_no) from account
2 group by branch_name;
3
```

BRANCH_NAME	COUNT(ACC_NO)
Pune	1
Chinchwad	2
Nigdi	1
Akurdi	3

Download CSV

4 rows selected.

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

```
1 select branch_name, avg(balance) as Average_Balance from account
2 group by branch_name
3 having avg(balance)>12000;
4
```

BRANCH_NAME	AVERAGE_BALANCE
Pune	40000
Chinchwad	27500
Nigdi	25000
Akurdi	19000

Download CSV

Q12. Find number of tuples in customer relation.

SQL Worksheet

```
1 select count(*) as Total_Tuples from customer;
2
3

TOTAL_TUPLES
7

Download CSV
```

Q13. Calculate total loan amount given by bank.

```
1 select sum(amount) as Total_Loan from loan;
2
3

TOTAL_LOAN
300000

Download CSV
```

Q14. Delete all loans with loan amount between 50000 and 60000.

SQL Worksheet

```
delete from loan where amount between 50000 and 60000;
    select * from loan;
 2
 3
 4
2 row(s) deleted.
 LOAN_NO
          BRANCH_NAME
                        AMOUNT
          Chinchwad
 1002
                       70000
 1004
          Nigdi
                       80000
 1005
          Akurdi
                       45000
Download CSV
3 rows selected.
```

delete from account where branch_name='Nigdi'

1 row(s) deleted.

Q15. Delete all tuples at every branch located in Nigdi.

Q.16. Create synonym for customer table as cust.

SQL Worksheet

```
1 create SYNONYM cust for customer;
2 select * from cust;
3
```

Synonym created.

CUST_NAME	CUST_STREET	CUST_CITY
Sanjay	Link Road	Pune
Vaishali	MG Road	Pune
Sunita	FS Road	Pune
Dilip	FS Road	Pune
Nikita	MG Road	Pune
Vikas	Link Road	Pune
Sam	Deccan	Pune-City

Download CSV

Q.17. Create sequence roll_seq and use in student table for roll_no column.

SQL Worksheet

```
1 CREATE TABLE students
 2
 3
   Roll_no int primary key,
    Student_name varchar(20)
 4
 5
   CREATE SEQUENCE sequence_1
 6
7
   start with 1
8
   increment by 1
9 minvalue 1
   maxvalue 100
10
11
    nocycle;
12 INSERT into students VALUES(sequence_1.nextval,'Ramesh');
13 INSERT into students VALUES(sequence_1.nextval,'Suresh');
14 INSERT into students VALUES(sequence_1.nextval, 'Ganesh');
15 select * from students;
```

```
Table created.

Sequence created.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

ROLL_NO STUDENT_NAME

1 Ramesh
2 Suresh
3 Ganesh

Download CSV
3 rows selected.
```