

# **SQL Bank Server Problems**

**Yaduttam Ganeriwala**

**Personnel No. 740636**

**Phone No. +91 8584979334**

1.

```
SELECT
account_number,am.customer_number,firstname,lastname,account_opening_date
FROM customer_master cm JOIN account_master am
ON cm.customer_number=am.customer_number
ORDER BY account_number;
```

2.

```
SELECT count(customer_number) Cust_Count
FROM customer_master
WHERE customer_city='Delhi'
```

3.

```
SELECT am.customer_number, firstname, account_number
FROM customer_master cm JOIN account_master am
ON cm.customer_number=am.customer_number
WHERE day(account_opening_date)>15
ORDER BY am.customer_number, account_number
```

4.

```
SELECT am.customer_number,firstname, account_number
FROM customer_master cm JOIN account_master am
ON cm.customer_number=am.customer_number
WHERE account_status='Terminated'
ORDER BY am.customer_number, account_number
```

5.

```
SELECT transaction_type,count(transaction_number) Trans_Count
FROM account_master am JOIN transaction_details td
ON am.account_number=td.account_number
WHERE customer_number like '%001'
GROUP BY transaction_type
ORDER BY transaction_type
```

6.

```
SELECT count(customer_number) Count_Customer
FROM customer_master
WHERE customer_number NOT IN (SELECT customer_number FROM
account_master)
```

7.

```
SELECT td.account_number, opening_balance+sum(transaction_amount)
Deposit_Amount
FROM account_master am INNER JOIN transaction_details td
ON am.account_number=td.account_number
WHERE transaction_type='deposit'
GROUP BY account_number
ORDER BY account_number
```

8.

```
select branch_master.branch_city, count(account_master.account_number) as
No_of_Accounts from branch_master left join account_master on
account_master.branch_id=branch_master.branch_id
group by branch_master.branch_city order by branch_city;
```

9.

```
select firstname
FROM customer_master cm INNER JOIN account_master am
ON cm.customer_number=am.customer_number
group by firstname
having count(account_number)>1
```

order by firstname;

10.

```
SELECT ld.customer_number, firstname, lastname
FROM customer_master cm INNER JOIN loan_details ld
ON cm.customer_number=ld.customer_number
GROUP BY customer_number
HAVING count(branch_id)>1
ORDER BY customer_number
```

11.

```
select customer_master.customer_number, firstname, customer_city, branch_city
from account_master inner join customer_master on
account_master.customer_number = customer_master.customer_number
inner join branch_master on account_master.branch_id = branch_master.branch_id
where customer_city != branch_city order by customer_master.customer_number;
```

12.

```
SELECT count(ld.customer_number) Count
FROM customer_master cm INNER JOIN loan_details ld
ON cm.customer_number=ld.customer_number
WHERE cm.customer_number NOT IN ( SELECT customer_number FROM
account_master)
```

13.

```
SELECT td.account_number
FROM account_master am INNER JOIN transaction_details td
ON am.account_number=td.account_number
group by td.account_number
having count(td.transaction_number)>=ALL
(SELECT count(td.transaction_number)
FROM account_master am INNER JOIN transaction_details td
ON am.account_number=td.account_number
group by td.account_number) order by am.account_number;
```

14.

```
select branch_name,branch_city
FROM branch_master INNER JOIN account_master
ON branch_master.branch_id=account_master.branch_id
group by branch_name
having count(customer_number)>=ALL
(select count(customer_number)
FROM branch_master INNER JOIN account_master
ON branch_master.branch_id=account_master.branch_id
group by branch_name) order by branch_name;
```

15.

```
select am.account_number,opening_balance+sum(case when
transaction_type='Deposit' then
transaction_amount end) as Deposit,sum(case when transaction_type='withdrawal'
then
transaction_amount end) as Withdrawal from account_master am join
transaction_details td
on am.account_number=td.account_number group by am.account_number having
Withdrawal>Deposit;
```

16.

```
SELECT (SUM(CASE WHEN transaction_type='Deposit'
THEN transaction_amount END)) -
(SUM(CASE WHEN transaction_type='Withdrawal'
THEN transaction_amount END))+(select opening_balance
from account_master where account_number like '%001') AS Balance_Amount
FROM transaction_details where account_number like '%001'
```

17.

```
SELECT cm.customer_number,firstname,
am.account_number,count(transaction_number) Count_Trans
FROM customer_master cm inner JOIN account_master am
ON cm.customer_number=am.customer_number
INNER JOIN transaction_details td
```

ON am.account\_number=td.account\_number  
group by am.account\_number order by cm.customer\_number, am.account\_number

18.

```
SELECT firstname
FROM customer_master INNER JOIN account_master
ON customer_master.customer_number=account_master.customer_number
GROUP BY firstname
having count(firstname)>=2 order by firstname;
```

19.

```
SELECT ld.customer_number, firstname, lastname
FROM customer_master cm INNER JOIN loan_details ld
ON cm.customer_number=ld.customer_number
group by customer_number
having count(branch_id)>=2 and sum(loan_amount)>=All(select
sum(loan_amount) from loan_details group by customer_number)
```

20.

```
SELECT ld.customer_number, firstname,branch_id, loan_amount
FROM customer_master cm INNER JOIN loan_details ld
ON cm.customer_number=ld.customer_number order by cm.customer_number,
branch_id, loan_amount
```

21.

```
SELECT branch_city, count(branch_id) Count_Branch
FROM branch_master
GROUP BY branch_city
ORDER BY branch_city
```

22.

```
SELECT account_number, firstname, lastname
FROM customer_master cm INNER JOIN account_master am
ON cm.customer_number=am.customer_number
WHERE account_status='Active'
```

ORDER BY account\_number

23.

```
SELECT customer_number,firstname,coalesce(middlename,lastname)
Middle_Name
FROM customer_master order by customer_number
```

24.

```
SELECT customer_number,firstname,customer_date_of_birth
FROM customer_master order by year(customer_date_of_birth), firstname;
```

25.

```
SELECT firstname, customer_city,account_number
FROM customer_master cm INNER JOIN account_master am
ON cm.customer_number=am.customer_number
WHERE occupation !='Service' and occupation != 'Student' and occupation !=
'Business' order by firstname, account_number
```