

MySQL FINAL TEST (50M)

Duration: 60 mins

Answer Sheet Instructions (For All Students – Online & Offline)

1. Write the question first, followed by your answer below it.
2. Use proper question numbers and maintain the order.
3. Code answers (C/SQL) must be neat, properly indented, and syntactically correct.

Database Creation & Table Management

Data Insertion

Branch Table

id	branch_name
1	Andheri
2	Bandra
3	Thane
4	Navi Mumbai
5	Dadar

Account Table

id	account_type	balance	branch_id
1	Savings	75000	1
2	Current	120000	1
3	Savings	85000	2
4	Current	95000	2
5	Fixed	200000	3
6	Savings	65000	3
7	Current	90000	4
8	Savings	72000	5

Customer Table

id	name	age	branch_id	account_id	joined_date	city
1	Raj	28	1	1	2022-03-15	Mumbai
2	Sneha	30	1	2	2021-07-22	Delhi
3	Anjali	35	2	3	2023-01-10	Mumbai
4	Karan	32	2	4	2022-06-05	Delhi
5	Ritesh	40	3	5	2019-11-25	Mumbai
6	Pooja	33	3	6	2021-08-13	Delhi
7	Rohit	29	4	7	2024-02-01	Mumbai
8	Meera	27	5	8	2023-10-10	Delhi

SECTION-1: Specific Queries (30M)

Create Tables and Insert Records

(10 Marks)

Write SQL queries to create the customer, branch, and account tables and insert the data provided

Find the Branch with the Highest Number of Customers

(5 Marks)

Write a query to identify the branch with the most customers. The output should include:

- Branch Name
 - Total Number of Customers
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Create a View to Display Account Count per Branch

(5 Marks)

Write a query to create a view that shows the number of accounts per branch. The output should include:

- Branch Name
 - Total Accounts
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Display Customers Living in the Same City

(5 Marks)

Write a query to list customers who live in the same city. The output should group customers by city and include their:

- ID
- Name
- Age
- Branch Name

List Customers with Above-Average Account Balance in Their Branch **(5 Marks)**

Write a query to find customers whose account balance is higher than the average balance of their respective branch. The output should include:

- Customer ID
 - Customer Name
 - Balance
 - Branch Name
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SECTION-2: PL/SQL Tasks (20M)

1. Function **(10 Marks)**

Create a function that returns the nth highest account balance in the account table.

2. Theory Question **(10 Marks)**

Explain **Cursor** and **Trigger** in detail with suitable examples.