Banking System

1. ```sql
   SELECT concat( c.first_name," ", c.last_name), c.email, a.account_type
   FROM customers c
   JOIN accounts a ON c.customer_id = a.customer_id;
   ```

2. ```sql
   SELECT concat( c.first_name," ", c.last_name), t.*
   FROM customers c
   JOIN accounts a ON c.customer_id = a.customer_id
   join transactions t on a.account_id=t.account_id;
   ```

3. ```sql
   update accounts
   set balance=balance+200
   where customer_id=2
   ```

4. ```sql
   SELECT CONCAT(first_name, ' ', last_name) AS full_name
   FROM customers;
   ```

5. ```sql
   DELETE FROM accounts
   WHERE balance = 0 AND account_type = 'savings';
   ```

6. ```sql
   SELECT * FROM customers
   WHERE address LIKE '%New York%';
   ```

7. ```sql
   SELECT balance FROM accounts
   WHERE account_id = 1;
   ```

8. ```sql
   SELECT * FROM accounts
   WHERE account_type = 'current' AND balance > 1000;
   ```

9. ```sql
   SELECT * FROM transactions
   WHERE account_id = 1;
   ```

10. ```sql
    SELECT account_id, balance, balance * 0.05 AS interest_accrued
    FROM accounts
    WHERE account_type = 'savings';
    ```

11. ```sql
    SELECT * FROM accounts
    WHERE balance < 500;
    ```

12. ```sql
    SELECT * FROM customers
    WHERE
    address not like "%10 West End Street, Visakhapatnam, Andhra Pradesh, 530001%";
    ```

ERD:

customers
- customer_id INT
- first_name VARCHAR(100)
- last_name VARCHAR(100)
- DOB DATE
- email VARCHAR(100)
- phone_number VARCHAR(1...
- address VARCHAR(255)

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accounts
- account_id INT
- customer_id INT
- account_type ENUM(....
- balance DECIMAL(10,2)

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transactions
- transaction_id INT
- account_id INT
- transaction_type ENUM(...)
- amount DECIMAL(15,2)
- transaction_date TIMESTA...

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