Name: Miheer Abhyankar

Assignment - Banking System

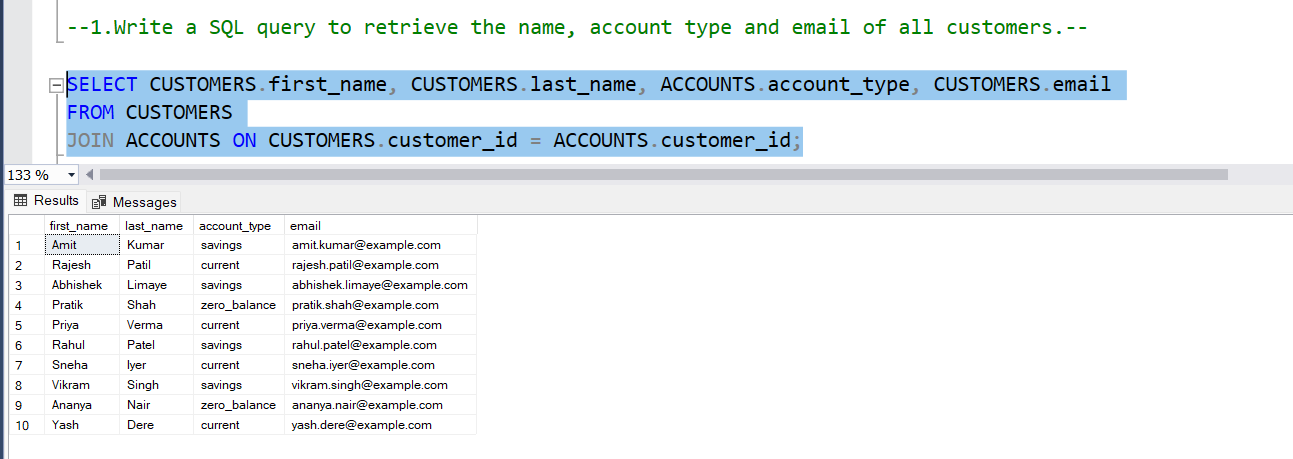
SQL

Q -1. Write an SQL query to retrieve the name, account type and email of all customers.

Query - SELECT CUSTOMERS.first\_name, CUSTOMERS.last\_name, ACCOUNTS.account\_type, CUSTOMERS.email

FROM CUSTOMERS

JOIN ACCOUNTS ON CUSTOMERS.customer\_id = ACCOUNTS.customer\_id;



Q - 2. Write an SQL query to list all transaction corresponding customer.

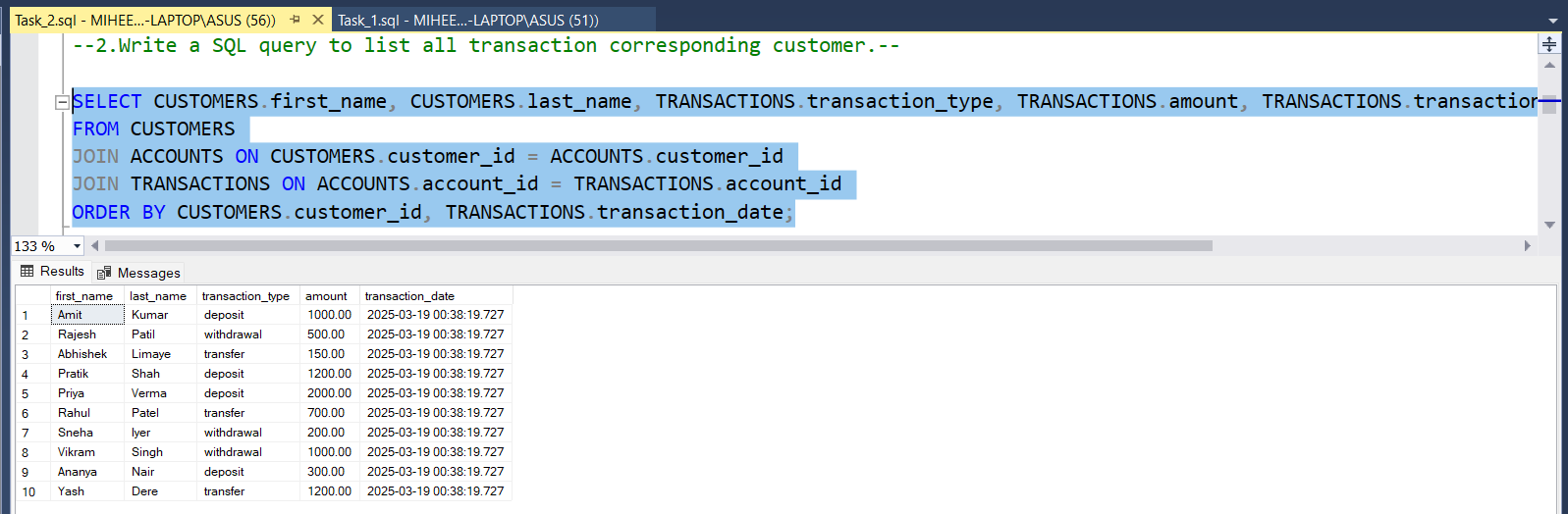
Query - SELECT CUSTOMERS.first\_name, CUSTOMERS.last\_name, TRANSACTIONS.transaction\_type, TRANSACTIONS.amount, TRANSACTIONS.transaction\_date

FROM CUSTOMERS

JOIN ACCOUNTS ON CUSTOMERS.customer\_id = ACCOUNTS.customer\_id

JOIN TRANSACTIONS ON ACCOUNTS.account\_id = TRANSACTIONS.account\_id

ORDER BY CUSTOMERS.customer\_id, TRANSACTIONS.transaction\_date;

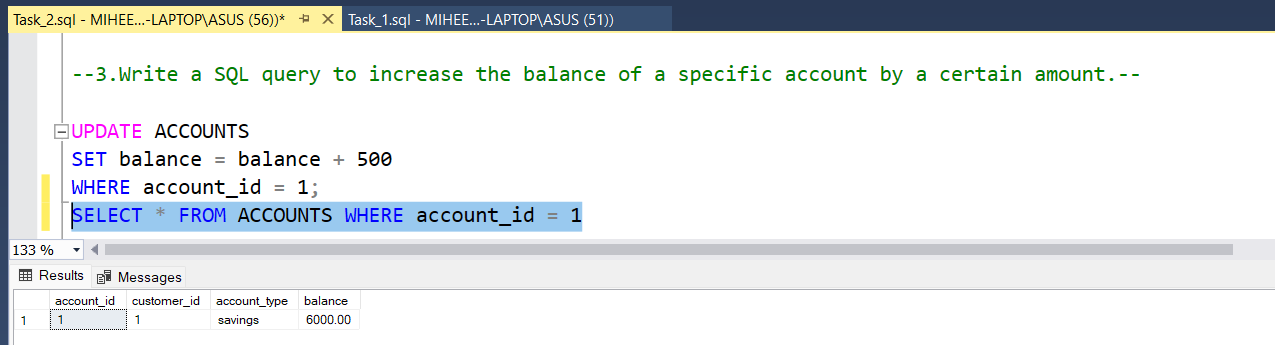


Q - 3. Write an SQL query to increase the balance of a specific account by a certain amount.

Query - UPDATE ACCOUNTS

SET balance = balance + 500

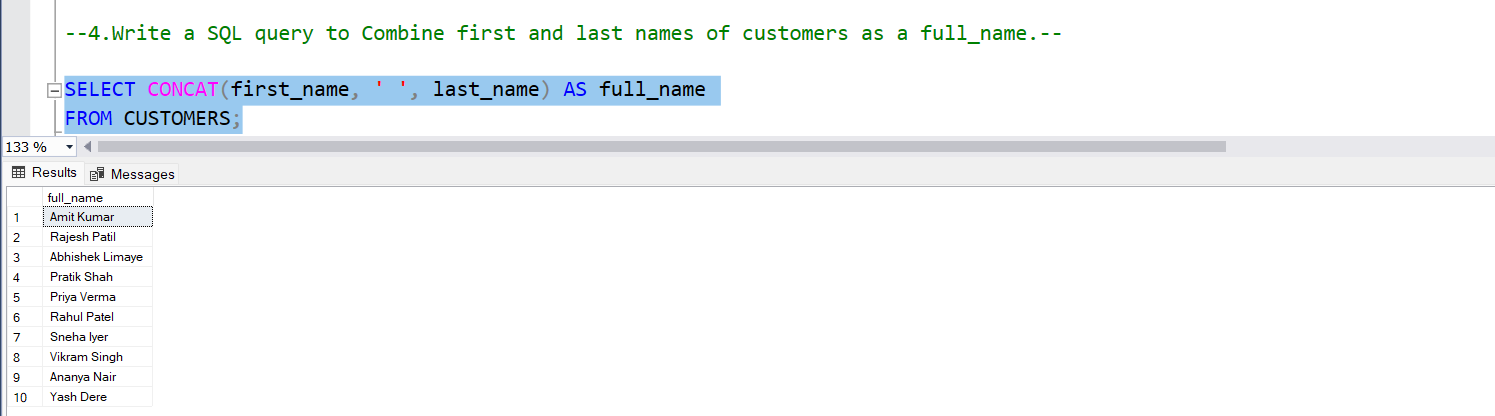
WHERE account\_id = 1;



Q – 4. Write an SQL query to Combine first and last names of customers as a full\_name.

Query - SELECT CONCAT(first\_name, ' ', last\_name) AS full\_name

FROM CUSTOMERS;

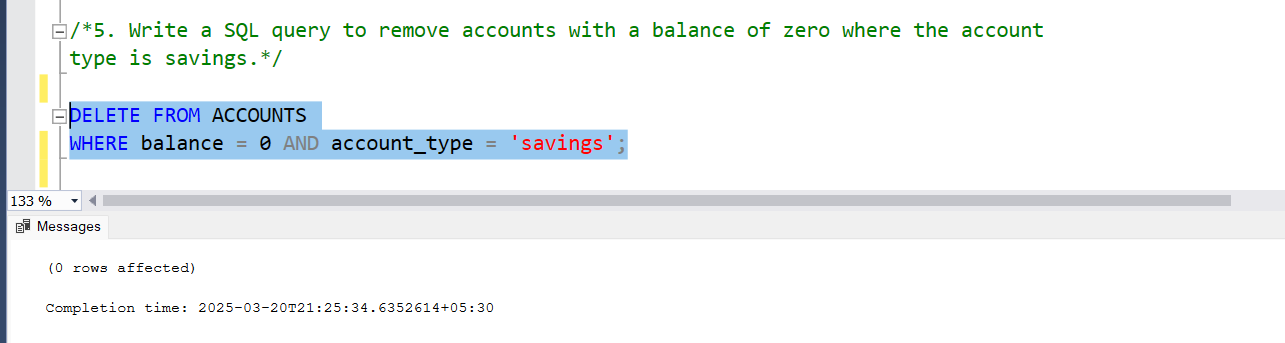


Q - 5. Write a SQL query to remove accounts with a balance of zero where the account

type is savings.

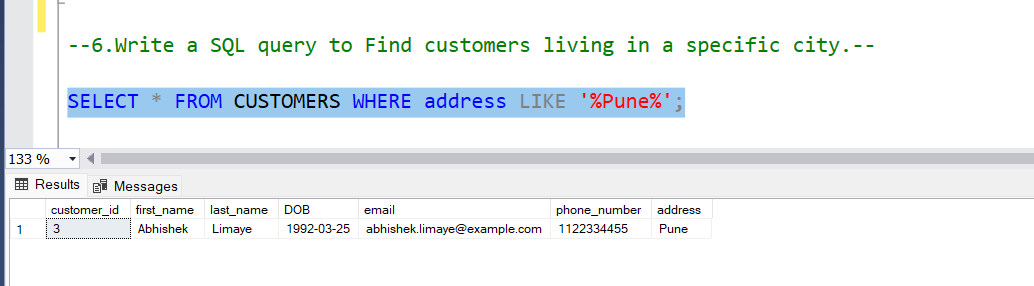
Query - DELETE FROM ACCOUNTS

WHERE balance = 0 AND account\_type = 'savings'



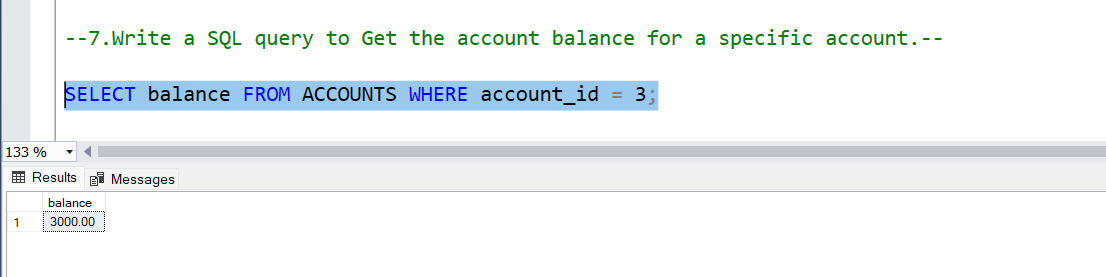
Q - 6. Write an SQL query to Find customers living in a specific city.

Query - SELECT \* FROM CUSTOMERS WHERE address LIKE '%Pune%';



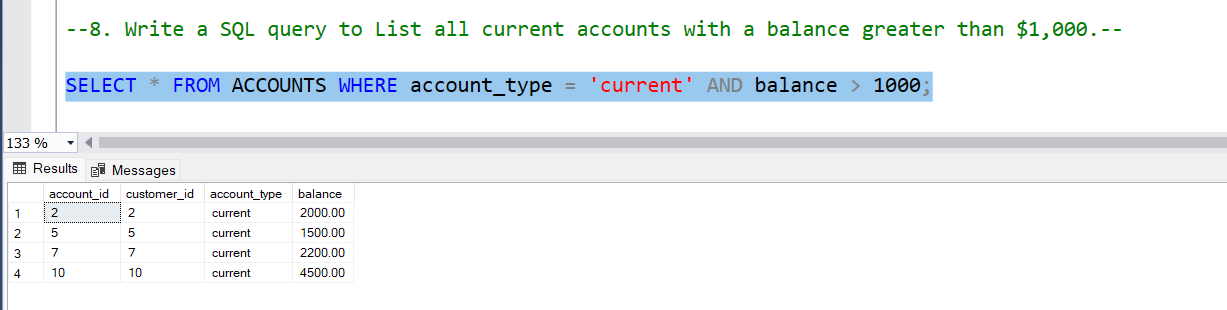
Q - 7. Write an SQL query to Get the account balance for a specific account.

Query - SELECT balance FROM ACCOUNTS WHERE account\_id = 3;



Q – 8. Write an SQL query to List all current accounts with a balance greater than $1,000.

Query - SELECT \* FROM ACCOUNTS WHERE account\_type = 'current' AND balance > 1000;



Q - 9. Write an SQL query to Retrieve all transactions for a specific account.

Query - SELECT \* FROM TRANSACTIONS WHERE account\_id = 2;

