Tasks 2: Select, Where, Between, AND, LIKE:

1. Insert at least 10 sample records into each of the following tables.

• Customers

• Accounts

• Transactions

mysql> USE HMBank;

Database changed

mysql> INSERT INTO Customers (first\_name, last\_name, DOB, email, phone\_number, address)

-> VALUES

-> ('John', 'Doe', '1990-05-15', 'john.doe@example.com', '9876543210', '123 Main St, NY'),

-> ('Alice', 'Smith', '1985-09-25', 'alice.smith@example.com', '9876543211', '456 Elm St, CA'),

-> ('Bob', 'Brown', '1992-11-10', 'bob.brown@example.com', '9876543212', '789 Oak St, TX'),

-> ('Emily', 'Johnson', '1995-03-18', 'emily.johnson@example.com', '9876543213', '321 Pine St, FL'),

-> ('David', 'Wilson', '1988-07-22', 'david.wilson@example.com', '9876543214', '654 Maple St, IL'),

-> ('Sophia', 'Martinez', '1993-12-30', 'sophia.martinez@example.com', '9876543215', '987 Birch St, AZ'),

-> ('James', 'Anderson', '1986-06-14', 'james.anderson@example.com', '9876543216', '741 Cedar St, OH'),

-> ('Olivia', 'Garcia', '1991-01-05', 'olivia.garcia@example.com', '9876543217', '852 Spruce St, WA'),

-> ('William', 'Harris', '1994-04-20', 'william.harris@example.com', '9876543218', '963 Redwood St, CO'),

-> ('Mia', 'Clark', '1989-08-29', 'mia.clark@example.com', '9876543219', '159 Palm St, NV');

Query OK, 10 rows affected (0.00 sec)

Records: 10 Duplicates: 0 Warnings: 0

mysql> select \* from Customers;

+-------------+------------+-----------+------------+-----------------------------+--------------+--------------------+

| customer\_id | first\_name | last\_name | DOB | email | phone\_number | address |

+-------------+------------+-----------+------------+-----------------------------+--------------+--------------------+

| 1 | John | Doe | 1990-05-15 | john.doe@example.com | 9876543210 | 123 Main St, NY |

| 2 | Alice | Smith | 1985-09-25 | alice.smith@example.com | 9876543211 | 456 Elm St, CA |

| 3 | Bob | Brown | 1992-11-10 | bob.brown@example.com | 9876543212 | 789 Oak St, TX |

| 4 | Emily | Johnson | 1995-03-18 | emily.johnson@example.com | 9876543213 | 321 Pine St, FL |

| 5 | David | Wilson | 1988-07-22 | david.wilson@example.com | 9876543214 | 654 Maple St, IL |

| 6 | Sophia | Martinez | 1993-12-30 | sophia.martinez@example.com | 9876543215 | 987 Birch St, AZ |

| 7 | James | Anderson | 1986-06-14 | james.anderson@example.com | 9876543216 | 741 Cedar St, OH |

| 8 | Olivia | Garcia | 1991-01-05 | olivia.garcia@example.com | 9876543217 | 852 Spruce St, WA |

| 9 | William | Harris | 1994-04-20 | william.harris@example.com | 9876543218 | 963 Redwood St, CO |

| 10 | Mia | Clark | 1989-08-29 | mia.clark@example.com | 9876543219 | 159 Palm St, NV |

+-------------+------------+-----------+------------+-----------------------------+--------------+--------------------+

10 rows in set (0.00 sec)

mysql> INSERT INTO Accounts (customer\_id, account\_type, balance)

-> VALUES

-> (1, 'savings', 5000.00),

-> (1, 'current', 10000.00),

-> (2, 'savings', 7500.50),

-> (3, 'current', 2000.00),

-> (4, 'zero\_balance', 0.00),

-> (5, 'savings', 15000.75),

-> (6, 'current', 500.25),

-> (7, 'savings', 9200.00),

-> (8, 'zero\_balance', 0.00),

-> (9, 'current', 12000.40);

Query OK, 10 rows affected (0.00 sec)

Records: 10 Duplicates: 0 Warnings: 0

mysql> select \* from Accounts;

+------------+-------------+--------------+----------+

| account\_id | customer\_id | account\_type | balance |

+------------+-------------+--------------+----------+

| 1 | 1 | savings | 5000.00 |

| 2 | 1 | current | 10000.00 |

| 3 | 2 | savings | 7500.50 |

| 4 | 3 | current | 2000.00 |

| 5 | 4 | zero\_balance | 0.00 |

| 6 | 5 | savings | 15000.75 |

| 7 | 6 | current | 500.25 |

| 8 | 7 | savings | 9200.00 |

| 9 | 8 | zero\_balance | 0.00 |

| 10 | 9 | current | 12000.40 |

+------------+-------------+--------------+----------+

10 rows in set (0.00 sec)

mysql> INSERT INTO Transactions (account\_id, transaction\_type, amount)

-> VALUES

-> (1, 'deposit', 1000.00),

-> (2, 'withdrawal', 500.00),

-> (3, 'deposit', 2000.50),

-> (4, 'withdrawal', 100.00),

-> (5, 'deposit', 500.00),

-> (6, 'withdrawal', 250.25),

-> (7, 'transfer', 300.00),

-> (8, 'deposit', 750.00),

-> (9, 'withdrawal', 1000.40),

-> (10, 'transfer', 1500.00);

Query OK, 10 rows affected (0.00 sec)

Records: 10 Duplicates: 0 Warnings: 0

mysql> select \* from Transactions;

+----------------+------------+------------------+---------+---------------------+

| transaction\_id | account\_id | transaction\_type | amount | transaction\_date |

+----------------+------------+------------------+---------+---------------------+

| 1 | 1 | deposit | 1000.00 | 2025-03-26 23:33:36 |

| 2 | 2 | withdrawal | 500.00 | 2025-03-26 23:33:36 |

| 3 | 3 | deposit | 2000.50 | 2025-03-26 23:33:36 |

| 4 | 4 | withdrawal | 100.00 | 2025-03-26 23:33:36 |

| 5 | 5 | deposit | 500.00 | 2025-03-26 23:33:36 |

| 6 | 6 | withdrawal | 250.25 | 2025-03-26 23:33:36 |

| 7 | 7 | transfer | 300.00 | 2025-03-26 23:33:36 |

| 8 | 8 | deposit | 750.00 | 2025-03-26 23:33:36 |

| 9 | 9 | withdrawal | 1000.40 | 2025-03-26 23:33:36 |

| 10 | 10 | transfer | 1500.00 | 2025-03-26 23:33:36 |

+----------------+------------+------------------+---------+---------------------+

10 rows in set (0.00 sec)