USE expense\_tracker;

-- Retrieving All Expenses:

SELECT \* FROM expenses;

-- Specific Columns:

SELECT amount,date,category

FROM expenses;

-- Filtering by Date Range

SELECT \* FROM expenses

WHERE date BETWEEN '2021-01-01' AND '2021-07-10';

-- Filtering by Category

SELECT \*

FROM expenses

WHERE category = 'Transportation';

-- Filtering with Comparison Operators

SELECT \*

FROM expenses

WHERE amount > 50;

-- Combining Filters (AND)

SELECT \*

FROM expenses

WHERE amount > 50 AND category = 'Groceries';

-- Combining Filters (OR)

SELECT \*

FROM expenses

WHERE category = 'Transportation' OR category = 'Groceries';

-- Filtering with NOT

SELECT \*

FROM expenses

WHERE NOT category = 'Transportation';

-- Sorting by Amount

SELECT \*

FROM expenses

ORDER BY amount DESC;

-- Sorting by Date and Category

SELECT \*

FROM Expenses

ORDER BY date DESC, category;

-- Create a table

CREATE TABLE Income (

income\_id INT ,

amount DECIMAL(10,2) ,

date DATE ,

source VARCHAR(50)

);

-- add new column

ALTER TABLE Income

ADD category VARCHAR(50);

-- delete a column

ALTER TABLE Income

DROP COLUMN source;

-- delete a table

DROP TABLE income;