-- Retrieve all columns from the Expenses table

SELECT \* FROM Expenses;

-- Retrieve specific columns: date, category, and amount

SELECT date, category, amount FROM Expenses;

-- Retrieve expenses between January 1, 2021, and December 15, 2024

SELECT \* FROM Expenses

WHERE date BETWEEN '2021-01-01' AND '2024-12-15';

-- Find all expenses in the "Entertainment" category

SELECT \* FROM Expenses

WHERE category = 'Entertainment';

-- Find expenses with an amount greater than $50

SELECT \* FROM Expenses

WHERE amount > 50;

-- Find expenses greater than $75 and in the "Food" category

SELECT \* FROM Expenses

WHERE amount > 75 AND category = 'Food';

-- Find expenses in either the "Transportation" or "Groceries" categories

SELECT \* FROM Expenses

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

-- Find expenses not in the "Rent" category

SELECT \* FROM Expenses

WHERE category <> 'Rent';

-- Display all expenses sorted by amount in descending order

SELECT \* FROM Expenses

ORDER BY amount DESC;

-- Sort by date in descending order and then by category in ascending order

SELECT \* FROM Expenses

ORDER BY date DESC, category ASC;

-- commands to create the Income table:

CREATE TABLE IF NOT EXISTS Income (

income\_id INT PRIMARY KEY AUTO\_INCREMENT,

amount DECIMAL(10,2) NOT NULL,

date DATE NOT NULL,

source VARCHAR(50) NOT NULL

);

-- Add a category column to the Income table

ALTER TABLE Income

ADD COLUMN category VARCHAR(50);

-- Remove the source column from the Income table

ALTER TABLE Income

DROP COLUMN source;

-- Drop the Income table

DROP TABLE IF EXISTS Income;