* 1. Retrieving all data.

SELECT \* FROM Expenses;

* 1. Specific columns.

SELECT date, category, amount FROM Expenses;

* 1. Filtering by Date Range:

SELECT \* FROM Expenses

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

FILTERING WITH WHERE CLAUSE.

2.1 Filtering by Category:

SELECT \* FROM Expenses

WHERE category = 'Entertainment';

2.2 Filtering with Comparison Operators:

SELECT \* FROM Expenses

WHERE amount > 50;

2.3 Combining Filters (AND):

SELECT \* FROM Expenses

WHERE amount > 75 AND category = 'Food';

2.4 Combining Filters (OR):

SELECT \* FROM Expenses

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

2.5 Filtering with NOT:

SELECT \* FROM Expenses

WHERE category != 'Rent';

SORTING RETRIEVED DATA

3.1 Sorting by Amount:

SELECT \* FROM Expenses

ORDER BY amount DESC;

3.2 Sorting by Date and Category:

SELECT \* FROM Expenses

ORDER BY date DESC, category ASC;

DATABASE UPGRADE

4.1 Creating the "Income" Table:

CREATE TABLE Income (

income\_id INT AUTO\_INCREMENT PRIMARY KEY,

amount DECIMAL(10,2) NOT NULL,

date DATE NOT NULL,

source VARCHAR(50) NOT NULL

);

4.2 Adding the "category" Column:

ALTER TABLE Income

ADD COLUMN category VARCHAR(50);

4.3 Removing the "source" Column:

ALTER TABLE Income

COLUMN source;

4.4 Dropping the "Income" Table:

DROP TABLE Income;