**Part 1: Retrieving Data with SELECT**

**1.1 Retrieving All Expenses:**  
SELECT \* FROM Expenses;

**1.2 Specific Columns:**  
SELECT date, category, amount FROM Expenses;

**1.3 Filtering by Date Range:**  
SELECT \* FROM Expenses   
WHERE date BETWEEN '2021-01-01' AND '2024-12-15';

**Part 2: 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';

# **Part 3: 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;

# **Part 4: 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 a New Column "category":** ALTER TABLE Income ADD category VARCHAR(50);

## **4.3 Removing the "source" Column:** ALTER TABLE Income DROP COLUMN source;

## **4.4 Dropping the "Income" Table:** DROP TABLE Income;