**1. AND, OR, NOT Operators**

-- Books that cost more than 40 AND belong to category 'Education'

SELECT \* FROM Books

WHERE Price > 40 AND Category = 'Education';

-- Readers whose first name is Alice OR last name is Johnson

SELECT \* FROM Readers

WHERE Firstname = 'Alice' OR lastName = 'Johnson';

-- Publishers NOT named 'Pearson'

SELECT \* FROM Publisher

WHERE NOT name = 'Pearson';

**🔍 2. LIKE Operator (for pattern matching)**

-- Readers whose email ends with 'example.com'

SELECT \* FROM Readers

WHERE Email LIKE '%@example.com';

-- Book titles that start with 'Data'

SELECT \* FROM Books

WHERE Title LIKE 'Data%';

-- Publisher names that contain the letter 'o'

SELECT \* FROM Publisher

WHERE name LIKE '%o%';

**🔢 3. BETWEEN Operator**

-- Books priced between 30 and 50

SELECT \* FROM Books

WHERE Price BETWEEN 30 AND 50;

-- Publishers with yearOfPublication between 2018 and 2021

SELECT \* FROM Publisher

WHERE yearOfPublication BETWEEN 2018 AND 2021;

**🔘 4. IN Operator**

-- Readers with specific User\_IDs

SELECT \* FROM Readers

WHERE User\_ID IN (1, 3, 5);

-- Books in certain categories

SELECT \* FROM Books

WHERE Category IN ('Education', 'Technology');

-- Publishers named either 'Pearson' or 'O\'Reilly'

SELECT \* FROM Publisher

WHERE name IN ('Pearson', 'O\'Reilly');