

Part 1: Retrieving Data with SELECT

- 1.1. `SELECT * FROM expenses;`
- 1.2. `SELECT date, category, amount
FROM expenses;`
- 1.3. `SELECT date, category, amount
FROM expenses
WHERE date BETWEEN '2021-01-01' AND '2024-12-15';`

Part 2: Filtering with WHERE Clause

- 2.1. `SELECT amount, date, category
FROM expenses
WHERE category = 'Entertainment'`
- 2.2. `SELECT date, category, amount
FROM expenses
WHERE amount > 50;`
- 2.3. `SELECT amount, date, category
FROM expenses
WHERE amount > 75
AND category = 'Entertainment';`
- 2.4. `SELECT date, category, amount
FROM expenses
WHERE category = 'Transportation'
OR category = 'Groceries';`
- 2.5. `SELECT date, category, amount
FROM expenses
WHERE category != 'Rent';`

Part 3: Sorting Retrieved Data

3.1. `SELECT date, category, amount`

`FROM expenses`

`ORDER BY amount DESC;`

3.2. `SELECT date, category, amount`

`FROM expenses`

`ORDER BY date DESC, category ASC;`

Part 4: Database Upgrade

4.1. `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. `ALTER TABLE Income
ADD COLUMN category VARCHAR(50);`

4.3. `ALTER TABLE Income
DROP COLUMN source;`

`DROP TABLE Income;`