**WEEK 2 ASSIGNMENT DATA RETRIVAL & FILTERING.**

**SELECT\*FROM expenses;**

**SELECT amount, date, category**

**FROM expenses;**

**1.3**

**SELECT\*FROM expenses WHERE date>='2021-1-1' AND date <='2024-12-15';**

**2.1**

**SELECT \* FROM expenses WHERE category LIKE '%Entertainment%';**

**2.2**

**SELECT \* FROM expenses WHERE amount>50;**

**2.3**

**SELECT\*FROM expenses WHERE amount>75 AND category='Food';**

**2.4**

**SELECT\*FROM expenses WHERE category='Transportation' OR category='Groceries';**

**2.5**

**SELECT\*FROM expenses WHERE category NOT LIKE '%Rent%';**

**3.1**

**SELECT\*FROM expenses ORDER BY amount ASC;**

**3.2**

**SELECT\*FROM expenses ORDER BY date DESC , category ASC;**

**4.1**

**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**

**);**

**4.2**

**ALTER TABLE Income**

**MODIFY COLUMN type VARCHAR (50);**

**4.3**

**ALTER TABLE income**

**DROP COLUMN source;**

**DROP TABLE Income;**

**ALL CODEs**

**-- SELECT\*FROM expenses;**

**-- SELECT amount, date, category**

**-- FROM expenses;**

**-- SELECT\*FROM expenses WHERE date>='2021-1-1' AND date <='2024-12-15';**

**-- SELECT \* FROM expenses WHERE category LIKE '%Entertainment%';**

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**-- SELECT \* FROM expenses WHERE amount>50;**

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**-- SELECT\*FROM expenses WHERE amount>75 AND category='Food';**

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**-- SELECT\*FROM expenses WHERE category='Transportation' OR category='Groceries';**

**-- SELECT\*FROM expenses WHERE category NOT LIKE '%Rent%';**

**--**

**-- SELECT\*FROM expenses ORDER BY amount DESC;**

**-- SELECT\*FROM expenses ORDER BY date DESC , category ASC;**

**-- 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**

**-- );**

**-- ALTER TABLE Income**

**-- MODIFY COLUMN type VARCHAR(50);**

**-- ALTER TABLE income**

**-- DROP COLUMN source;**

**-- DROP TABLE Income;**