-- Create the database (adjust the name if needed)

CREATE DATABASE IF NOT EXISTS expense\_tracker;

-- Use the expense\_tracker database

USE expense\_tracker;

-- Create the Users table

CREATE TABLE IF NOT EXISTS Users (

user\_id INT PRIMARY KEY AUTO\_INCREMENT,

username VARCHAR(50) NOT NULL

);

-- Create the Expenses table with user\_id column

CREATE TABLE IF NOT EXISTS Expenses (

expense\_id INT PRIMARY KEY AUTO\_INCREMENT,

user\_id INT NOT NULL,

amount DECIMAL(10,2) NOT NULL,

date DATE NOT NULL,

category VARCHAR(50) NOT NULL,

FOREIGN KEY (user\_id) REFERENCES Users(user\_id)

);

-- Insert your own users

INSERT INTO Users (username) VALUES ('Alice'), ('Bob'), ('Charlie');

-- Insert your own expenses

INSERT INTO Expenses (user\_id, amount, date, category)

VALUES

(1, 45.50, '2023-05-12', 'Groceries'),

(2, 23.30, '2022-11-07', 'Entertainment'),

(3, 55.00, '2021-08-25', 'Transportation'),

(1, 12.00, '2020-03-14', 'Other'),

(2, 78.45, '2023-01-10', 'Groceries'),

(3, 34.20, '2019-07-30', 'Entertainment');

-- Verify the data insertion

SELECT \* FROM Users;

SELECT \* FROM Expenses;

USE expense\_tracker;

-- Create the Income table

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

);

-- Add the category column using ALTER TABLE

ALTER TABLE Income

ADD category VARCHAR(50);

-- Remove the source column using ALTER TABLE

ALTER TABLE Income

DROP COLUMN source;

-- Drop the Income table entirely

DROP TABLE IF EXISTS Income;expenses

USE expense\_tracker;

-- Create the Income table

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

);

-- Add the category column using ALTER TABLE

ALTER TABLE Income

ADD COLUMN category VARCHAR(50);

-- Remove the source column using ALTER TABLE

ALTER TABLE Income

DROP COLUMN IF EXISTS source;

USE expense\_tracker;

-- Create the Income table

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

);

-- Add the category column using ALTER TABLE

ALTER TABLE Income

ADD COLUMN category VARCHAR(50);

-- Remove the source column using ALTER TABLE

ALTER TABLE Income

DROP COLUMN source;

-- Drop the Income table entirely

DROP TABLE IF EXISTS Income;