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5220411242

import mysql.connector

class BookLibrary:

    def \_\_init\_\_(self):

        self.conn = mysql.connector.connect(

            host="localhost",

            user="root",

            password="",

            database="5220411242"

        )

        self.cursor = self.conn.cursor()

    def display(self):

        query = "SELECT \* FROM books"

        self.cursor.execute(query)

        books = self.cursor.fetchall()

        for book in books:

            print(book)

    def add\_book(self, title, author, genre, publication\_year, isFinished):

        query = "INSERT INTO books (title, author, genre, publication\_year, isFinished) VALUES (%s, %s, %s, %s, %s)"

        values = (title, author, genre, publication\_year, isFinished)

        self.cursor.execute(query, values)

        self.conn.commit()

    def update\_book(self, book\_id, new\_title, isFinished):

        query = "UPDATE books SET title = %s, isFinished = %s WHERE id = %s"

        values = (new\_title, isFinished, book\_id)

        self.cursor.execute(query, values)

        self.conn.commit()

    def delete\_book(self, book\_id):

        query = "DELETE FROM books WHERE id = %s"

        self.cursor.execute(query, (book\_id,))

        self.conn.commit()

class Author(BookLibrary):

    def \_\_init\_\_(self):

        super().\_\_init\_\_()

    def display(self):

        query = "SELECT author FROM books"

        self.cursor.execute(query)

        authors = self.cursor.fetchall()

        for author in authors:

            print(author)

# Contoh penggunaan

library = BookLibrary()

library.display()

print('='\*60)

author = Author()

author.display()

print('='\*60)

# Menambahkan buku baru

library.add\_book('The Alchemist', 'Paulo Coelho', 'Fiction', 1988, 1)

library.display()

print('='\*60)

# Mengupdate judul buku

library.update\_book(1, 'The Great Gatsby (Updated)', 0)

library.display()

print('='\*60)

# Menghapus buku

library.delete\_book(3)

library.display()

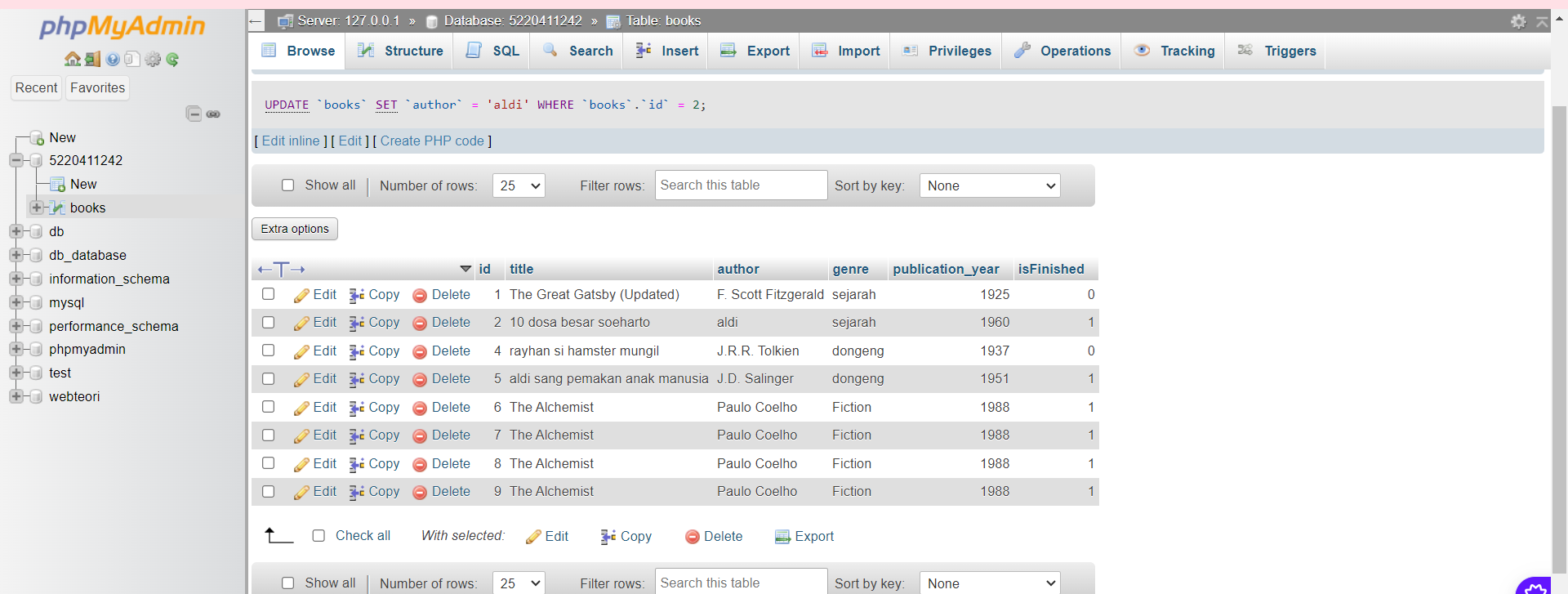
print('='\*60)

# Menutup koneksi

library.cursor.close()

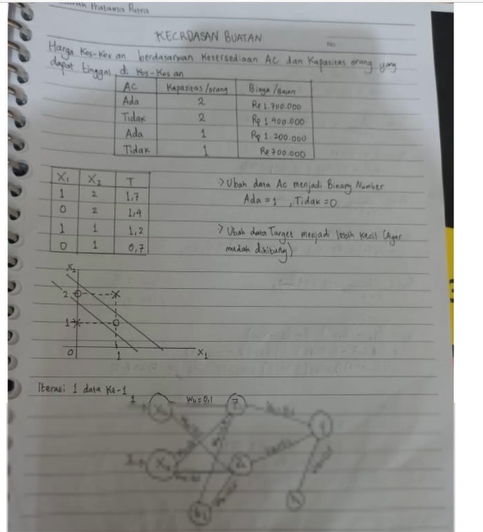
library.conn.close()

print('='\*60)



A screenshot of a computer screen

Description automatically generated

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Description automatically generated