

**DIGITAL INNOVATORS PROGRAMME(DIP)**

**COMPUTER SCIENCE | PSCS 2014**

**COMPUTER SCIENCE**

**SEMESTER 2 PART 2**

**TASK 3 (10% CARRYMARKS)**

**SQL EXERCISE : LIBRARY DATABASE**

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CLASS: 1K6

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### **1.0 Technologies Used**

The technology used for this task is TablePlus, a tool for managing MySQL databases, providing user-friendly interfaces to interact with, query, and manipulate the database content.

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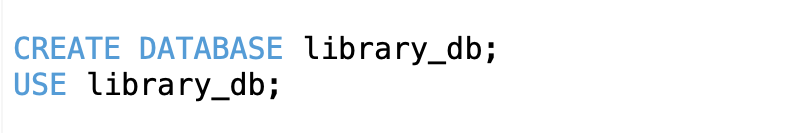
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### **2.0 Database Structure**

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#### 2.1 Creation Of Database



The name for the database is library\_db

#### 2.2 Table Creation

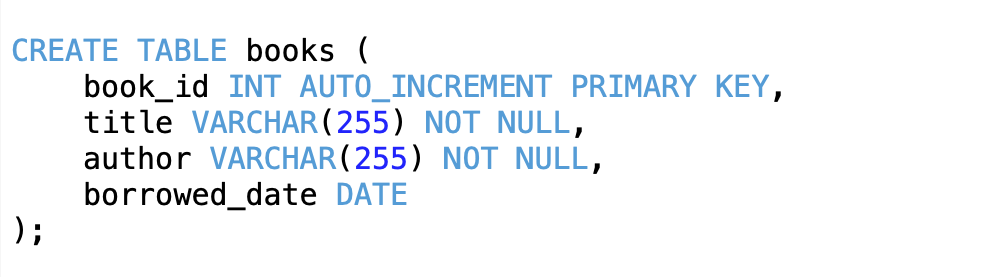
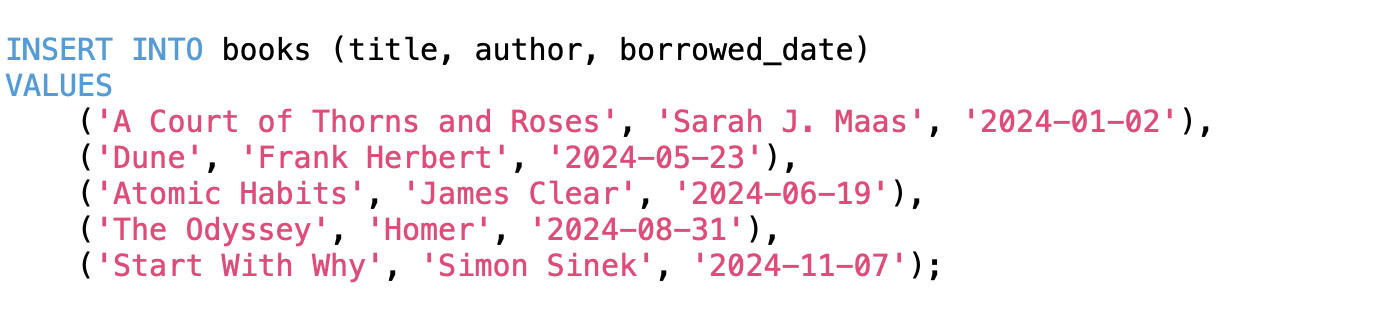


Table name is books

### **3.0 Data Management**



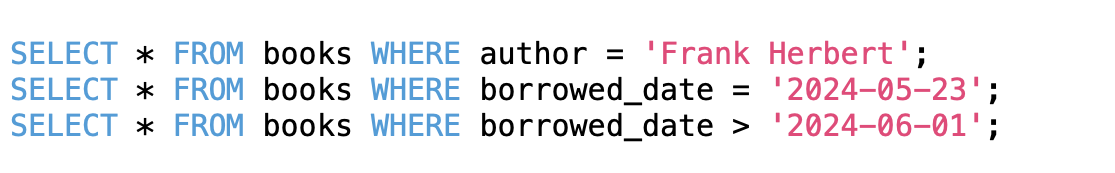
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### **4.0 Query Operations**

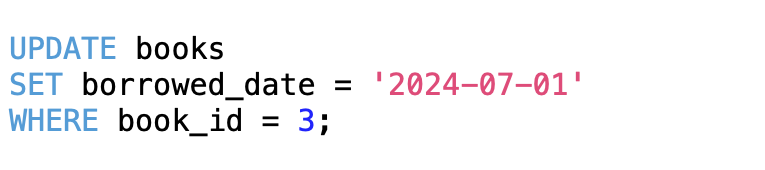
Query operations allow interaction with the database to extract useful information. The library database supports the following queries:

#### 4.1 List And Find Books Query





#### 4.2 Update Query



#### 4.3 Delete Query

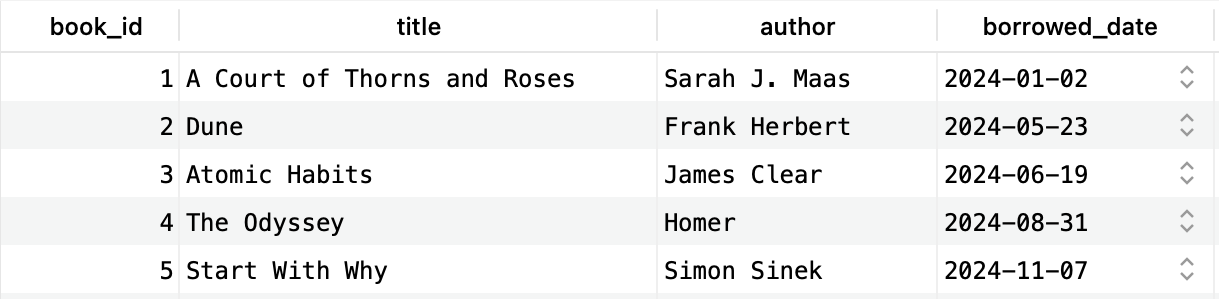


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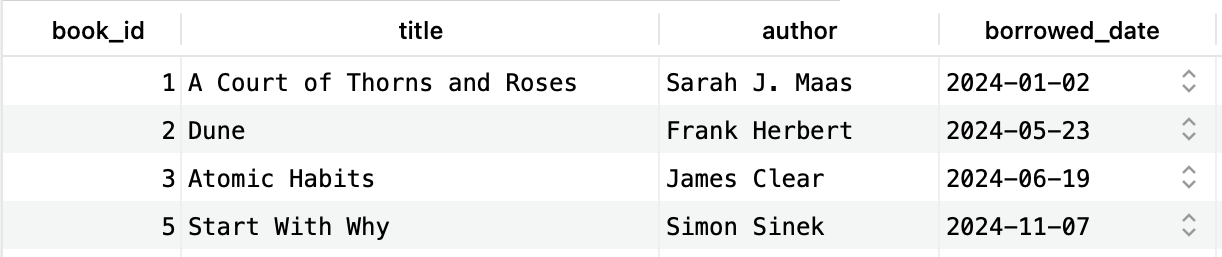
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### **5.0 Results Documentation**

#### 5.1 Original Result



#### 5.2 Result After Delete Book



#### 5.3 Result Re-add a Deleted Book

