

**Name:** Ahmad Muhsin

**Class:** 1K5

SQL task: Library Database

### 1. The Table:

#	book_id		title	author	borrowed_date
1	1	1	The King in Yellow	Shahim Muhsin	2024-10-01
2	2	2	Stiff: The Curious Lives of Human Ca...	Ahmad Fudhail	2024-12-05
3	3	3	Kindred	Akif Aqasyah	2024-11-07
4	4	4	The Pillow Book	Hadri Alaudin	2024-11-20
5	5	5	A Void	Arif Danish	2024-09-10

### 2. The Code:

```
1 CREATE DATABASE LibraryDB;
2
3 USE LibraryDB;
4
5 CREATE TABLE Books (
6     book_id INT AUTO_INCREMENT PRIMARY KEY,
7     title VARCHAR(255) NOT NULL,
8     author VARCHAR(255) NOT NULL,
9     borrowed_date DATE
10 );
11
12 INSERT INTO Books (title, author, borrowed_date) VALUES
13 ('The King in Yellow', 'Shahim Muhsin', '2024-10-01'),
14 ('Stiff: The Curious Lives of Human Cadavers', 'Ahmad Fudhail', '2024-12-05'),
15 ('Kindred', 'Akif Aqasyah', '2024-11-07'),
16 ('The Pillow Book', 'Hadri Alaudin', '2024-11-20'),
17 ('A Void', 'Arif Danish', '2024-09-10');
18
19 SELECT * FROM Books;
20
```

### 3. Explanation:

-First, we create the database:

```
1 CREATE DATABASE LibraryDB;
2
```

-Then, using the database, we make new table:

```
3  USE LibraryDB;
4
5  CREATE TABLE Books (
6      book_id INT AUTO_INCREMENT PRIMARY KEY,
7      title VARCHAR(255) NOT NULL,
8      author VARCHAR(255) NOT NULL,
9      borrowed_date DATE
10 );
```

-Lastly, we insert all the information for the table

```
12 INSERT INTO Books (title, author, borrowed_date) VALUES
13 ('The King in Yellow', 'Shahim Muhsin', '2024-10-01'),
14 ('Stiff: The Curious Lives of Human Cadavers', 'Ahmad Fudhail', '2024-12-05'),
15 ('Kindred', 'Akif Aqasyah', '2024-11-07'),
16 ('The Pillow Book', 'Hadri Alaudin', '2024-11-20'),
17 ('A Void', 'Arif Danish', '2024-09-10');
18
19 SELECT * FROM Books;
```