**Data Dictionary:**

**Student:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Name** | **Date Type** | **Length** | **Nullable** |
| Primary | S\_Id | INT | 10 | NO |
|  | S\_name | VARCHAR | 150 | NO |
|  | User\_name | VARCHAR | 50 | NO |
|  | Address | VARCHAR | 150 | NO |
|  | Status | VARCHAR | 150 | NO |
|  | mobile\_no | varchar | 10 | NO |
|  | Department | VARCHAR | 150 | NO |
|  | Email | VARCHAR | 150 | NO |

**Librarian:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Name** | **Date Type** | **Length** | **Nullable** |
| Primary | L\_Id | INT | 10 | NO |
|  | L\_Name | VARCHAR | 150 | NO |
|  | Address | VARCHAR | 50 | NO |
|  | Email | VARCHAR | 50 | NO |
|  | Password | VARCHAR | 50 | NO |
|  | mobile\_no | INT | 10 | NO |
|  | User\_name | VARCHAR | 50 | NO |

**Admin:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **key** | **Name** | **Date Type** | **Length** | **Nullable** |
| primary | Admin\_Id | INT | 10 | NO |
|  | Admin\_Name | VARCHAR | 150 | NO |
|  | Address | VARCHAR | 150 | NO |
|  | Email | VARCHAR | 150 | NO |
|  | Password | VARCHAR | 150 | NO |
|  | User\_Name | VARCHAR | 150 | NO |

**Book:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Name** | **Date Type** | **Length** | **Nullable** |
| primary | Book\_Id | INT | 10 | NO |
|  | Name | VARCHAR | 150 | NO |
|  | Status | bool | 10 | NO |
|  | Title | VARCHAR | 150 | NO |
|  | Quantity | INT | 10 | NO |
|  | Edition | INT | 10 | NO |

**Borrow:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **key** | **Name** | **Date Type** | **Length** | **Nullable** |
| primary | B\_Id | INT | 10 | NO |
| foreign key | S\_Id | INT | 10 | NO |
| fk | lid | int | 10 | no |
|  | S\_name | VARCHAR | 50 | NO |
|  | Title | VARCHAR | 250 | NO |
|  | quantity | INT | 10 | NO |

**Search Book:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **key** | **Name** | **Date Type** | **Length** | **Nullable** |
| primary | B\_Id | INT | 10 | NO |
|  | pass | VARCHAR | 150 | NO |
| foreign key | admin\_id | INT | 10 | NO |