|  |  |  |
| --- | --- | --- |
| Columns | Type | Constraint |
| MemberCode | Int | Not null(PK)  Identity(1,2) |
| MemberName | Varchar(20) | Not Null |
| Member TypeID | int | Not Null (fk) |
| NoOfBookIssued | int | Null default 0 |
|  |  |  |

Member Book

|  |  |  |
| --- | --- | --- |
| Columns | Type | Constraints |
| BookCode | Int | Not null(pk) |
| BookName | Varchar(20) | Not null |
| Author | Varchar(20) |  |
| IsIssuable | bit | Not null default 0 |
| IsIssued | bit | Not null default 0 |

Member Type

|  |  |  |
| --- | --- | --- |
| Columns | Type | Constraint |
| Member TypeID | Int | Not null(PK) |
| Member Type | Varchar(20) | Not null |
| NoofBookAllowed | Int | Not null |
| DaysAllowed | Int | Not null |

IssueBook

|  |  |  |
| --- | --- | --- |
| Columns | Type | Constraints |
| IssueCode | Int | Not null(pk)  Identity(1,1) |
| MemberCode | Int | Not Null(FK) |
| BookCode | Int | Not Null(FK |
| IssueDate | DateTime | Not null  Default GetDate() |
| DueDate | DateTime | Not Null |
| ReturnDate | DateTime | Null |
|  |  |  |

MemberType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Member TypeID | Member Type | NoofBookAllowed | DaysAllowed |  |
| 1 | Student | 3 | 10 |  |
| 2 | Faculty | 25 | 90 |  |

Member

|  |  |  |  |
| --- | --- | --- | --- |
| MemberCode | MemberName | Member TypeID |  |
| 1 | Himanshu | 1 |  |
| 2 | Raghu | 1 |  |
| 3 | Satveer | 2 |  |