**Schema**

**Admin**

|  |  |  |
| --- | --- | --- |
| Admin\_Id | User\_Name | Password |
| Varchar, Not Null | Varchar, Not Null | Varchar, Not Null |

**Student**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Student\_Id | Password | Deptart\_Id | Session | Date\_Of\_Birth |
| Varchar, Not Null | Varchar, Not Null | Int, Not Null | varchar, Not Null | Date, Not Null |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FName | LName | Phone | Gender | Email |
| Varchar, Not Null | Varchar, Not Null | Varchar, Not Null, should be 11 digits | Char, Not Null, should be ‘M’ or ‘F’ | varchar, Not Null |

**Faculty**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Faculty\_Id | Password | Deptart\_Id | Course\_Id | Date\_Of\_Birth |
| Varchar, Not Null | Varchar, Not Null | Int, Not Null | Varchar, Not Null | Date, Not Null |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FName | LName | Phone | Gender | Email |
| Varchar, Not Null | Varchar, Not Null | Varchar, Not Null, should be 11 digits | Char, Not Null, should be ‘M’ or ‘F’ | varchar, Not Null |

**Course**

|  |  |  |  |
| --- | --- | --- | --- |
| Course\_Id | Course\_Name | Cedit\_Hours | Deptartment |
| Varchar, Not Null | Varchar, Not Null | Int, Not Null | Varchar, Not Null |

**Prerequisites**

|  |  |
| --- | --- |
| Course\_Id | Prerequist\_Course\_Id |
| Varchar, Not Null | Varchar, Not Null |

**Student\_Course**

|  |  |  |  |
| --- | --- | --- | --- |
| Student\_Id | Course\_Id | Section\_Id | Status |
| Varchar, Not Null | Varchar, Not Null | Varchar, Not Null | Int, Not Null, should be 1,2 or 3 |

**Section**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Section\_Id | Student\_id | Session | Deptart\_Id | Section |
| Varchar, Not Null | Varchar, Not Null | varchar, Not Null | Int, Not Null | Varchar, Not Null |

**Grade\_Report**

|  |  |  |  |
| --- | --- | --- | --- |
| Student\_Id | Marks | Garde | Course\_Id |
| Varchar, Not Null | Int, Not Null, 0=<Marks>=100 | Varchar, Not Null | Varchar, Not Null |

**Assessments\_Marks**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Student\_Id | Course\_Id | Assessment\_Id | Total\_Marks | Obatin\_Marks | Assessment\_Type |
| Varchar, Not Null | Varchar, Not Null | Int, Not Null | Int, Not Null, should be > 0 | Int, Not Null,  0=> Obatin\_Marks >= Total\_Marks | Int, Not Null, should be 1,2,3,4 or 5 |

**Department**

|  |  |
| --- | --- |
| Deptart\_Id | Deptart\_Name |
| Int, Not Null | Varchar, Not Null |

**Foreign Keys:**

|  |  |
| --- | --- |
| Column (Table Name) | Referencing Column (Referencing Relation) |
| Student\_Id (Assessment\_Marks) | Student\_Id (Student) |
| Prerequist\_Course\_Id (Prerequisites) | Course\_Id (Course) |
| Course\_Id (Prerequisites) | Course\_Id (Course) |
| Course\_Id (Grade\_Report) | Course\_Id (Course) |
| Deptart\_Id (Student) | Deptart\_Id (Department) |
| Deptart\_Id (Faculty) | Deptart\_Id (Department) |
| Course\_Id (Assessment\_Type) | Course\_Id (Course) |