**Employee Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| emp\_id | VARCHAR | 45 | Primary Key |
| emp job | VARCHAR | 45 | Not Null |
| emp\_fname | VARCHAR | 45 | Not Null |
| emp\_lname | VARCHAR | 45 | Not Null |
| emp\_mname | VARCHAR | 45 | Not Null |

**Section Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| sec\_id | INT | 0 | Primary Key |
| sec\_name | VARCHAR | 45 | Not Null |
| advise\_emp\_id | INT | 0 | Foreign key |

**Student Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| id | INT | 0 | Primary Key |
| stud\_id\_num | INT | 0 | Not Null |
| stud\_fname | VARCHAR | 45 | Not Null |
| stud\_lname | VARCHAR | 45 | Not Null |
| stud\_mname | VARCHAR | 45 | Not Null |
| sec\_id | INT | 0 | Foreign Key |
| Email | VARCHAR | 255 | Not Null |

**Job Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| id | INT | 0 | Primary Key |
| job\_description | VARCHAR | 255 | Not Null |

**Subject Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| id | INT | 0 | Primary Key |
| sub\_name | VARCHAR | 45 | Not Null |
| teach\_emp\_id | INT | 0 | Foreign Key |
| sub\_time | VARCHAR | 45 | Not Null |
| sub\_class\_id | INT | 0 | Foreign Key |

**Grade Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| id | INT | 0 | Primary Key |
| acad\_year\_id | INT | 0 | Foreign Key |
| stud\_id | INT | 0 | Foreign Key |
| emp\_id | INT | 0 | Foreign Key |
| sub\_id | INT | 0 | Foreign Key |
| grade | INT | 0 | Not Null |
| quarter | INT | 0 | Not Null |

**Grade Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| id | INT | 0 | Primary Key |
| acad\_year\_id | INT | 0 | Foreign Key |
| tud\_id | INT | 0 | Foreign Key |
| emp\_id | INT | 0 | Foreign Key |
| sub\_id | INT | 0 | Foreign Key |
| grade | INT | 0 | Not Null |
| quarter | INT | 0 | Foreign Key |

**Schedule Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| id | INT | 0 | Primary Key |
| sub\_id | INT | 0 | Foreign Key |
| sec\_id | INT | 0 | Foreign Key |
| acad\_year\_id | INT | 0 | Foreign Key |

**Academic Year Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| Id | INT | 0 | Primary Key |
| acad\_year\_start | DATE | DATE | Not Null |
| acad\_year\_end | DATE | DATE | Not Null |
| school\_year | VARCHAR | 11 | Not Null |

**Quarter Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Data Type | Field Length | Constraint |
| id | INT | 0 | Primary Key |
| quarter\_id | INT | 0 | Not Null |
| school\_year | INT | 0 | Foreign Key |
| quarter\_start | DATE | DATE | Not Null |
| quarter\_end | DATE | DATE | Not Null |