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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| school\_name | VARCHAR | 60 | NOT NULL | Name of school |
| school\_address | VARCHAR | 60 | NOT NULL | School address |
| CST No. | BIGINT | - | NOT NULL | School SCT No. |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| student\_id | VARCHAR | 10 | PK | Student id |
| student\_name | VARCHAR | 30 | NOT NULL | Name of Student |
| Class\_id | VARCHAR | 10 | FK | ID of class where student study |
| roll\_no | INT | 11 | NOT NULL | Student Roll No. |
| DOB | DATE | - | NOT NULL | Date of Birth |
| gender | VARCHAR | 20 | NOT NULL | Student Gender |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| parent\_Name | VARCHAR | 30 | NOT NULL | Parent’s Name |
| student\_id | VARCHAR | 10 | FK | Student Id |
| phone\_number | BIGINT | - | NOT NULL | Parent’s Phone No. |
| parent\_address | VARCHAR | 40 | NOT NULL | Parents Address |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| course\_id | VARCHAR | 10 | PK | Course ID |
| course\_name | VARCHAR | 20 | NOT NULL | Name of Course |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| student\_id | VARCHAR | 10 | FK | Student ID |
| total\_class | INT | 11 | NOT NULL | Total study class |
| total\_present | INT | 11 | NOT NULL | Total present days |

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| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| class\_id | VARCHAR | 10 | PK | Class ID |
| class\_name | VARCHAR | 20 | NOT NULL | Name of Class |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| subject\_id | VARCHAR | 10 | PK | Subject ID |
| subject\_name | VARCHAR | 20 | NOT NULL | Subject Name |
| class\_id | VARCHAR | 10 | FK | Class ID |
| course\_id | VARCHAR | 10 | FK | Course ID |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| subject\_id | VARCHAR | 10 | FK | Subject ID |
| time\_period | FLOAT | - | NOT NULL | Time in hour |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| teacher\_id | INT | 11 | PK | Teacher ID |
| teacher\_name | VARCHAR | 30 | NOT NULL | Teacher Name |
| teacher\_address | VARCHAR | 40 | NOT NULL | Teacher Address |
| department\_id | VARCHAR | 10 | FK | Teacher belonging Department |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| department\_id | VARCHAR | 10 | PK | Department ID |
| department\_name | VARCHAR | 50 | NOT NULL | Department Name |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| student\_id | VARCHAR | 10 | FK | Student ID |
| subject\_id | VARCHAR | 10 | FK | Subject ID |
| sub\_marks | INT | 11 | NOT NULL | Marks of each subject of students |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| exam\_id | VARCHAR | 10 | PK | Exam ID |
| exam\_date | DATE | - | NOT NULL | Date of exam for each subjects |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| staff\_id | VARCHAR | 10 | PK | Exam ID |
| staff\_name | VARCHAR | 30 | NOT NULL | Staff Name |
| work\_role | VARCHAR | 40 | NOT NULL | Task staff need to do |
| staff\_phone | BIGINT | - | NOT NULL | Staff Phone number |
| department\_id | VARCHAR | 10 | FK | Department ID |

|  |  |  |  |  |
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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| library\_id | INT | 11 | PK | Library ID |
| library\_name | VARCHAR | 40 | NOT NULL | Library Name |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| book\_id | INT | 11 | PK | Book ID, Auto Increment |
| book\_name | VARCHAR | 40 | NOT NULL | Book Name |
| writer | VARCHAR | 30 | NOT NULL | Book Writer Name |

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| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| member\_id | VARCHAR | 10 | FK | Member ID |
| book\_id | INT | 11 | FK | Book ID |

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| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| member\_id | VARCHAR | 10 | PK | Member ID |
| student\_id | VARCHAR | 10 | NOT NULL | Student ID |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| course\_id | VARCHAR | 10 | FK | Course ID |
| student\_id | VARCHAR | 10 | FK | Student ID |

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| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| exam\_id | VARCHAR | 10 | FK | Exam ID |
| subject\_id | VARCHAR | 10 | FK | Subject ID |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Length** | **Constraint** | **Description** |
| teacher\_id | INT | 11 | FK | Teacher ID |
| subject\_id | VARCHAR | 10 | FK | Subject ID |