**Database Tables**

**1.Table name:- Admin**

Description:- Login information

Primary Key:- login\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | login\_id | Varchar | 10 | Primary Key | Store the login id |
| 2 | login\_pwd | Varchar | 20 | Not Null | Store the login password |

**2. Table name:- Admission**

Description:- Store the information about student academic year

Primary Key:- admission\_id

Foreign Key: student\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | admission\_id | Int | 10 | Primary Key | Store the Addmission id of students. |
| 2 | course\_name | Varchar | 20 | Not Null | Store the Course name of students. |
| 3 | course\_year | Varchar | 5 | Not Null | Store the course year of students. |
| 4 | course\_term | Varchar | 10 | Not Null | Store the course year of students. |
| 5 | student\_id | Varchar | 5 | Foreign Key | Store the student id of students. |
| 6 | roll\_no | Varchar | 5 | Not Null | Store roll number |

**3. Table name:- Department**

Description:- Store information about department

Primary Key:- department\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | department\_id | Int | 10 | Primary Key | Store the Department id of college |
| 2 | department\_name | Varchar | 10 | Not Null | Store the department name of the college. |

**4. Table name:- Exam\_time\_table**

Description:- Exam related data like time table, appeared students

Primary Key:-exam\_time\_table\_id

Foreign Key: student\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | exam\_time\_table\_id | Int | 10 | Primary Key | Store the Addmission id of students. |
| 2 | course\_name | Varchar | 20 | Not Null | Store the Course name of students. |
| 3 | course\_year | Varchar | 10 | Not Null | Store the course year of students. |
| 4 | course\_term | Varchar | 10 | Not Null | Store the course year of students. |
| 5 | student\_id | Varchar | 5 | Foreign key | Store the student id of students |
| 6 | exam\_date | Date | 10 | Not Null | Store the exam date. |
| 7 | from\_time | Varchar | 10 | Not Null | Store the exam start time. |
| 8 | to\_time | Varchar | 10 | Not Null | Store the exam finish time . |
| 9 | order\_exam\_date | Date | 10 | Not Null | Store the order exam date . |

**5. Table name:- Marks \_20**

Description:-internal marks of students out of 20 marks.

Primary key:-marks\_20\_id

Foreign Key: subject\_exam\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | marks\_20\_id | Int | 10 | Primary Key | Store the mark id out of 20 marks |
| 2 | subject\_exam\_id | Int | 10 | Foreign Key | Store the subject exam id |
| 3 | out\_of\_20 | Int | 2 | Not Null | Store the out of 20 marks |
| 4 | is\_absent | Varchar | 7 | Not Null | It stores the student absentee if student absent for exam .by default its value is present |

**6. Table name:- Marks \_80**

Description:-internal marks of students out of 80 marks.

Primary Key:- marks\_80\_id

Foreign Key: subject\_exam\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | marks\_80\_id | Int | 10 | Primary Key | Store the mark id out of 80 marks |
| 2 | subject\_exam\_id | Int | 10 | Foreign Key | Store the subject exam id |
| 3 | out\_of\_80 | Int | 2 | Not Null | Store the out of 20 marks |
| 4 | is\_absent | Varchar | 7 | Not Null | It stores the student absenty if student absent for exam .by default its value is present |

**7.Table name:- Marks**

Description:-internal marks of students out of 80 marks.

Primary Key:- marks\_id

Foreign Key: subject\_exam\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | marks\_id | Int | 10 | Primary Key | Store the mark id |
| 2 | subject\_exam\_id | Int | 10 | Foreign Key | Store the subject exam id |
| 3 | out\_of\_100 | Int | 3 | Not Null | Store the out of 20 + 80 marks |
| 4 | is\_absent | Varchar | 7 | Not Null | It stores the student absenty if student absent for exam .by default its value is present |
| 5 | Marks\_20\_id | Int | 2 | F \_key | Marks out of 20 |
| 6 | Marks\_80\_id | Int | 3 | F\_key | Marks out of 80 |

**8. Table name:-Seat\_no**

Description: List of seat numbers of students

Primary Key:- seat\_no\_id

Foreign Key: subject\_exam\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | seat\_no\_id | Int | 10 | Primary Key | Store the seat no id of student |
| 2 | seat\_no | Varchar | 7 | Not Null | Store the seat no of student |
| 3 | subject\_exam\_id | Int | 10 | Foreign Key | Store the student subject exam id |
| 4 | order\_pre | Varchar | 10 | Not Null | Ascending order |
| 5 | order\_post | Varchar | 10 | Not Null | Deseeding order |

**9. Table name:-Student**

Description :-Student information during admission

Primary id:- student\_id

Foreign Key: unipuune\_id

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| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | student\_id | Int | 10 | Primary Key | Store the student id |
| 2 | unipune\_id | Varchar | 10 | Not Null | Store the uni pune id |
| 3 | last\_name | Varchar | 20 | Not Null | Store the last name of student |
| 4 | first\_name | Varchar | 20 | Not Null | Store the first name of student |
| 5 | middle\_name | Varchar | 20 | Not Null | Store the middle name of student |
| 6 | father\_name | Varchar | 20 | Not Null | Store the fathers name of student |
| 7 | mother\_name | Varchar | 20 | Not Null | Store the mothers name of student |
| 8 | date\_birth | Date | 10 | Not Null | Store the birth date of student |
| 9 | Gender | Varchar | 6 | Not Null | Store the gender of student |
| 10 | Contact\_no | Varchar | 10 | Not Null | Store the contact no of student |
| 11 | Category | Varchar | 10 | Not Null | Store the categories of student |
| 12 | At\_post | Varchar | 10 | Not Null | Store the address of student |
| 13 | Taluka | Varchar | 10 | Not Null | Store the taluka of student |
| 14 | Destrict | Varchar | 10 | Not Null | Store the destrict of student |
| 14 | Pin\_code | Varchar | 6 | Not Null | Store the pin code of student |
| 15 | Dept\_id | Int | 6 | F\_key | Store dept id |

**10.** **Table name:-Staff**

Description:-Store the information about the staff working collage

Primary Key:- staff\_id

Foreign Key: department\_id

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| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | staff\_id | Int | 10 | Primary Key | Store the staff id |
| 2 | last\_name | Varchar | 10 | Not Null | Store the last name of staff |
| 3 | staff\_fname | Varchar | 10 | Not Null | Store the first name of staff |
| 4 | Staff\_bdate | Date | 10 | Not Null | Store the birth date of staff |
| 5 | Gender | Varchar | 6 | Not Null | Store the gender of staff |
| 6 | Contact\_no | Varchar | 10 | Not Null | Store the contact no of staff |
| 7 | Staff\_date\_join | Date | 3 | Not Null | Store the joining date |
| 8 | Staff\_date\_retire | Date | 3 | Not Null | Store the retire date |
| 9 | Department\_id | Varchar | 5 | Foreign key | Store the department id of staff |

**11. Table name:- subject**

Description:-Information about subject with according to group

Primary Key:- subject\_id

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| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | subject\_id | Int | 10 | Primary Key | Store the subject id |
| 2 | subject\_code | Varchar | 10 | Not Null | Store the subject code |
| 3 | subject\_name | Varchar | 10 | Not Null | Store the subject name |
| 4 | group\_name | Varchar | 10 | Not Null | Store the group name |
| 5 | subject\_type | Varchar | 15 | Not Null | Store the subject type |
| 6 | course\_name | Varchar | 20 | Not Null | Store the course name |
| 7 | course\_year | Varchar | 10 | Not Null | Store the course year |

**12.Table name:- subject\_exam**

Description:- Exam subject list with according to student

Primary Key:- subject\_exam\_id

Foreign Key: student\_id

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| 1 | subject\_exam\_id | Int | 10 | Primary Key | Store the subject exam id |
| 2 | course\_name | Varchar | 20 | Not Null | Store the course name |
| 3 | Course\_year | Varchar | 10 | Not Null | Store the course year |
| 4 | Course\_term | Varchar | 7 | Not Null | Store the course term |
| 5 | Student\_type | Varchar | 5 | Not Null | Store the subject type |
| 6 | Student\_id | Int | 10 | Foreign key | Store the student id |