# Person:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **PersonID** | **varchar** | 9 | **Primary Key** | **Stores the ID of Person** |
| **Fname** | **varchar** | 20 | **Not Null** | **Stores the first name of Person** |
| **Mname** | **varchar** | 20 | **Not Null** | **Stores the middle name of Person** |
| **Lname** | **varchar** | 15 | **Not Null** | **Stores the last name of Person** |
| **Gender** | **varchar** | 7 | **Not Null** | **Stores the gender of Person** |
| **DOB** | **date** | - | **Not Null** | **Stores the birth date of Person** |
| **StreetAddress** | **varchar** | 40 | **Not Null** | **Stores the address of Person** |
| **City** | **varchar** | 20 | **Not Null** | **Stores the city name of person** |
| **State** | **varchar** | 19 | **Not Null** | **Stores the state name of Person** |
| **Country** | **varchar** | 20 | **Not Null** | **Stores the country name of Person** |
| **PIN** | **int** | - | **Not Null** | **Stores the PIN code of Person's Address** |

**ContactNumbers:**

**ContactNumbers:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| ID | **varchar** | 9 | **Primary** **Key**  **Foreign Key** | **Person ID** |
| ContactNo | **varchar** | 13 | **Primary Key**  **Unique Key** | **Stores the contact no(s) of Person** |

**MailDetails:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| ID | **varchar** | 9 | **Primary** **Key**  **Foreign Key** | **Person ID** |
| Email | **varchar** | 35 | **Primary** **Key**  **Unique Key** | **Stores the email id(s) of Person** |

**Student:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **StudentID** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **Student Id** |
| **ProgId** | **varchar** | 6 | **Not Null**  **Foreign Key** | **Id of Program in which student studying** |
| **Batch** | **int** | - | **Not Null** | **Batch of the student** |
| **HSCBoard** | **varchar** | 10 | **Not Null** | **12th examination board** |
| **ACPCno** | **varchar** | 12 | **Not Null**  **Unique** | **ACPC rank No** |
| **Attempts** | **int** | - | **Not Null** | **Attempts of 12th exam** |
| **GOB** | **varchar** | 3 | **Not Null** | **Garde obtained in 12th exam** |
| **JEERollNo** | **varchar** | 9 | **Not Null**  **Unique** | **JEE Roll No** |
| **JEEScore** | **int** | - | **Not Null** | **JEE Score** |
| **GurContactNo** | **varchar** | 13 | **Not Null** | **Guardian Contact number** |
| **AddOfSchool** | **varchar** | 60 | **Not Null** | **Address of school in which he/she complete his/her 12th** |
| **NameOfSchool** | **varchar** | 20 | **Not Null** | **Name of school in which he/she complete his/her 12th** |
| **yearOfPassing** | **int** | - | **Not Null** | **Passing year of 12th** |
| **Medium** | **varchar** | 10 | **Not Null** |  |
| **BoardSeatNo** | **varchar** | 9 | **Not Null**  **Unique** | **Seat No of 12th examination** |

**Staff:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **StaffID** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **Staff ID** |
| **AppointmentDate** | **date** | - | **Not Null** | **Stores the joining date of staff** |
| **Experience** | **int** | - | **-** | **Experience of Staff** |

**Peon:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **PeonID** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **Peon ID** |
| **Work\_Id** | **varchar** | 9 | **Foreign Key** | **Stores the Id of work area of Peon** |

**Program:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **ProgId** | **varchar** | 6 | **Primary Key** | **Program ID** |
| **ProgName** | **varchar** | 15 | **Not Null**  **Unique** | **Program Name** |

**Work\_Details:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **Work\_ID** | **varchar** | 9 | **Primary Key** | **ID of Work area** |
| **Work\_Area** | **varchar** | 25 | **Not Null**  **Unique** | **Stores different work area in which different staff is working** |

**Registered:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **StudentID** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **ID of Student** |
| **AcadYear** | **int** | - | **Primary Key** | **Academic Year for which student is registered** |
| **SemType** | **varchar** | 10 | **Primary Key** | **Name of semester e.g. summer** |
| **CourseId** | **varchar** | 6 | **Primary Key** | **ID of Course in which student is registered** |
| **Grade** | **varchar** | 4 | **-** | **Grade obtained by the student in particular course, semester, and year** |

**Result:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **StudentID** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **ID of Student** |
| **SemType** | **varchar** | 10 | **Primary key**  **Foreign Key** | **Name of semester e.g. summer** |
| **AcadYear** | **int** | - | **Primary Key**  **Foreign Key** | **Academic year of student** |
| **GPA** | **numeric** | 10,2 | **Not Null** | **GPA of student** |

**Courses:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **CourseId** | **varchar** | 6 | **Primary Key** | **ID of courses** |
| **CourseName** | **varchar** | 65 | **Not Null** | **Name of course** |
| **since** | **date** | - | **Not Null** | **Date from which program is started** |
| **credit** | **Numeric** | 10,2 | **Not Null** | **Credit of course** |

**Offers:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **InstructorID** | **varchar** | 9 | **Foreign Key** | **ID of instructor** |
| **CourseId** | **varchar** | 6 | **Primary Key**  **Foreign Key** | **ID of Course offered by instructor** |
| **SemType** | **varchar** | 10 | **Primary Key**  **Foreign Key** | **Name of semester e.g. summer** |
| **AcadYear** | **int** | - | **Primary Key**  **Foreign Key** | **Year in which instructor offer course** |

**Instructor:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **InstructorID** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **ID of Instructor** |
| Designation | **varchar** | 25 | **Not Null** | **Designation of instructor** |
| VisitingorNot | **varchar** | 1 | **Not Null** | **Instructor is visiting or not** |
| Specialization | **varchar** | 55 | **Not Null** | **Specialization of instructor** |

**CommitteeMembers:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **MemberID** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **ID of student and instructor who are member of committee** |
| **SinceMember** | **date** | - | **Not Null** | **Date of joining the committee** |
| **MemberPosition** | **varchar** | 25 | - | **member position in the committee** |
| **CommitteeId** | **int** | - | **Not Null**  **Foreign Key** | **ID of committee** |

**CommitteeName:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **CommitteeId** | **int** | - | **Primary Key** | **ID of Committee** |
| **SinceCommittee** | **date** | - | **Not Null** | **When committee forms** |
| **CommitteeName** | **varchar** | 30 | **Not Null**  **Unique** | **Name of committee** |

**Accessories:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **InvoiceNo** | **varchar** | 6 | **Not Null** | **Bill no** |
| **Prooduct\_Name** | **varchar** | 30 | **Not Null** | **Product name** |
| **SellerID** | **varchar** | 6 | **Not Null** | **Seller ID** |
| **Purchase\_Date** | **date** | - | **Not Null** | **Purchase date** |
| **Warranty\_Period** | **int** | - | **Not Null** | **Warranty period of product** |
| **Company\_Name** | **varchar** | 30 | **Not Null** | **Company name of product** |
| **PurchaseAmount** | **numeric** | - | **Not Null** | **Purchase amount** |
| **DeviceID** | **varchar** | 10 | **Primary Key** | **ID of device** |

**Seller:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **SellerID** | **varchar** | 6 | **Primary Key** | **Seller ID** |
| **SellerAddress** | **varchar** | 40 | **Not Null** | **Address of seller** |
| **SellerMailId** | **varchar** | 30 | **Not Null** | **Mail id of seller** |
| **SellerPhoneNo** | **varchar** | 13 | **Not Null** | **Contact no of seller** |
| **SellerName** | **varchar** | 20 | **Not Null** | **Name of Seller** |

**Semester:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **SemType** | **varchar** | 10 | **Primary Key** | **Seller ID** |
| **AcadYear** | **int** | - | **Primary Key** | **Academic Year** |

**Book:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **BookId** | **varchar** | 12 | **Primary Key** | **ID of Book** |
| **NameOfBook** | **varchar** | 55 | **Not Null** | **Name of Book** |
| **Quantity** | **int** | - | **-** | **Quantity of book** |
| **Publisher** | **varchar** | 25 | **Not Null** | **Publisher of book** |
| **Edition** | **int** | - | **-** | **Book edition** |
| **CourseID** | **varchar** | 6 | **Foreign Key** |  |

**Author:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **BookId** | **varchar** | 12 | **Primary Key**  **Foreign Key** | **ID of Book** |
| **AuthorName** | **varchar** | 35 | **Primary Key** | **Name of Book Author** |

**Salary:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **EmployeeID** | **varchar** | 9 | **Foreign Key** | **ID of employee** |
| **Amount** | **int** | - | **Not Null** | **Salary of employee** |
| **Date** | **date** | - | **Not Null** | **Date of payment** |
| **PaySlip** | **int** | - | **Primary Key** | **Receipt No** |
| **ChequeNo** | **int** | - | **Unique No** | **Cheque no through which payment is done** |
| **BankName** | **varchar** | 30 | **Not Null** | **Bank Name of cheque** |

**Fee:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **StudentID** | **varchar** | 9 | **Foreign Key** | **ID of Student** |
| **ProgId** | **varchar** | 6 | **Not Null** | **ID of program in which student is studying** |
| **Date** | **date** | - | **Not Null** | **Date of payment** |
| **SemType** | **int** | 10 | **Not Null** | **Name of semester e.g. summer** |
| **ReceiptNo** | **int** | - | **Primary Key** | **Receipt No** |
| **AcadYear** | **int** | - | **Not Null** | **Acad year in which student is studying** |
| **chequeNo** | **int** | - | **Not Null** | **Cheque no if pay mode is cheque** |
| **bankName** | **varchar** | 35 | **Not Null** | **Name of bank** |
| **Amount** | **int** | - | **Not Null** | **Amount paid by student** |

**SupportStaff:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **SupportStaffID** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **ID of Support staff** |
| Designation | **varchar** | 25 | **Not Null** | **Designation of staff** |
| Work\_Id | **varchar** | 9 | **Foreign Key** | **ID of Work Area** |

**Degree:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **StaffId** | **varchar** | 9 | **Primary Key**  **Foreign Key** | **ID of Staff** |
| **degree** | **varchar** | 30 | **Primary Key** | **Degree Of staff** |

**Pre\_requisists:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Size** | **Constraint** | **Description** |
| **CourseId** | **varchar** | 6 | **Primary Key**  **Foreign Key** | **ID of Book** |
| **Pre\_requisistsId** | **varchar** | 6 | **Primary Key** | **ID of pre\_requisist courses** |