**Table 1:tbl\_login-**This table is used to store login details of user.

**Primary Key:** login\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Login\_id | int | Primary Key | Login ID |
| Email\_id | varchar(20) | NOT NULL | Email address |
| password | varchar(20) | NOT NULL | Password |
| role | varchar(20) | NOT NULL | Role |
| Sanswer | varchar(20) | NOT NULL | Answer |

**Table 2:tbl\_station**-This table is used to store station details.

**Primary Key**: station\_id

**Foreign Key**:district\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| station\_id | int | Primary Key | Station ID |
| station\_name | varchar(20) | NOT NULL | Station Name |
| district\_id | int | Foreign Key | district\_id from tbl\_district |

**Table 3:tbl\_state**-This table is used to store state details.

**Primary Key**: state\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| state\_id | Int(10) | Primary key | State id |
| statename | Varchar(50) | Not null | State name |
| Status | Int(10) | Not null | state status |

**Table 4:tbl\_district**-This table is used to store district details.

**Primary Key**: district\_id

Foreign key: state\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| district\_id | Int(10) | Primary key | District id |
| districtname | Varchar(50) | Not null | District name |
| state\_id | Int (10) | Foreign key | State id |
| status | Int(10) | Not null | District status |

**Table 5:tbl\_register**-This table is used to store user details.

**Primary Key**: reg\_id

**Foreign Key**: login\_id, security\_id,district\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| reg\_id | int | Primary Key | Register ID |
| login\_id | int | Foreign key | Login ID from tbl\_login |
| security\_id | int | Foreign key | Security ID from tbl\_security |
| district\_id | int | Foreign key | District ID from tbl\_district |
| Fname | varchar(20) | NOT NULL | First Name |
| Lname | varchar(20) | NOT NULL | Last Name |
| Gender | varchar(20) | NOT NULL | Gender |
| Dob | date | NOT NULL | Date Of Birth |
| mob\_no | varchar(20) | NOT NULL | Mobile Number |
| qualification | Varchar(20) | NOT NULL | qualification |
| Marital\_status | Varchar(20) | NOT NULL | Marital status |

**Table 6:tbl\_security**-This table is used to store security details.

**Primary Key**: security\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Field Name** | **Constraint** | **Description** |
| Security\_id | int | Primary key | Id of the table |
| Security question | varcahr | NOT NULL | Security question |

**Table 7:tbl\_train-**This table is used to store train details.

**Primary key:** train\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| train\_id | int | Primary Key | Train ID |
| train\_ no | int | NOT NULL | Train Number |
| train\_ name | varchar(20) | NOT NULL | Train Name |
| source\_station | varchar(20) | NOT NULL | Source Station |
| destination\_station | varchar(20) | NOT NULL | Destination Station |
| arrival \_time | time | NOT NULL | Source Departure Time |
| departure\_ time | time | NOT NULL | Destination Arrival Time |
| distance | int | NOT NULL | Distance |

**Table 8:tbl\_route**- This table is used to store the stations between the routes.

**Primary Key**: route\_id

**Foreign Key**: station\_id,train\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| route\_id | int | Primary Key | Route Train ID |
| train\_id | int | Foreign Key | train\_id references tbl\_train |
| station\_id | int | Foreign Key | station\_id references tbl\_station |
| day | int | NOT NULL | Day |
| arrival\_ time | time | NOT NULL | Arrival Time |
| departure \_time | time | NOT NULL | Departure Time |

**Table 9:tbl\_class**-This table is used to store various classes available in a train.

**Primary Key**: class\_id

**Foreign Key**: train\_id,type\_id,seat\_id,birth\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| class\_ id | int | Primary Key | Class ID |
| train \_id | int | Foreign Key | train\_id references tbl\_train |
| type\_id | Varchar(20) | Foreign Key | Typed ID refrences from tbl\_type |
| boogie\_name | Varchar(20) | NOT NULL | Name of boogie |
| seat\_id | int | Foreign Key | Seat id references from tbl\_seat |
| birth\_id | int | Foreign Key | birth id references from tbl\_birth |

**Table 10: tbl\_type**-This table is used to store different types of class.

**Primary Key**:type\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| type \_id | int | Primary Key | Type ID |
| type | int | NOT NULL | types |
| noofseats | int | NOT NULL | Total seats |

**Table 11:tbl\_berth**: This table is used to store berth details.

**Primary Key**: berthid

**Foreign Key**: class\_id,train\_id,

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| berthid | int | Primary Key | Berth ID |
| train\_id | int | Foreign Key | train\_id references tb\_train |
| class\_id | int | Foreign Key | class\_id references tbl\_class |
| berth\_no | varchar(20) | NOT NULL | Berth Number |

**Table 12:tbl\_seat**-This table is used to store seat details.

**Primary Key:** seat\_id

**Foreign Key:** train\_id,class\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| seat\_id | int | Primary Key | Seat ID |
| train\_id | int | Foreign Key | train\_id references tbl\_train |
| class\_id | int | Foreign Key | Class\_id references tbl\_class |
| seat\_no | varchar(20) | NOT NULL | Seat Number |

**Table 13: tbl\_fare:** This table is used to store the fare details.

**Primary Key**: fid

**Foreign Key**: train\_id,class\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| fid | int | Primary Key | Fare ID |
| train\_id | int | Foreign Key | train\_id references tbl\_train |
| class\_ id | int | Foreign Key | class\_id references tbl\_class |
| base \_fare | int | NOT NULL | Base fare |
| reservation\_charge | int | NOT NULL | Reservation Charge |
| service\_charge | int | NOT NULL | Service Charge |

**Table14: tbl\_food**-This table is used to store the food details.

**Primary Key**: fid

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| fid | int | Primary Key | Food ID |
| food \_type | varchar(20) | NOT NULL | Food Type |
| food \_name | varchar(50) | NOT NULL | Food Name |
| charge | int | NOT NULL | Charge |

**Table 15: tbl\_passenger**- This table is used to store the passenger details.

**Primary Key**: passenger\_id

**Foreign Key**: seat\_id,pnr\_no

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| passenger\_id | int | Primary Key | Passenger ID |
| pnr\_no | int | Foreign Key | pnr\_no references tbl\_reservation |
| seat\_id | int | Foreign Key | seat\_id references tbl\_seat |
| passenger\_ name | varchar(20) | NOT NULL | Passenger Name |
| age | int | NOT NULL | Age |
| gender | varchar(20) | NOT NULL | Gender |
| reservation\_status | varchar(20) | NOT NULL | Reservation Status |
| amount | int | NOT NULL | Amount |

**Table 16: tbl\_reservation**- This table is used to store reservation details.

**Primary Key**: pnr\_no

**Foreign Key**:train\_id,reg\_id,class\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| pnr\_no | int | Primary Key | PNR Number |
| train\_id | int | Foreign Key | train\_id references tbl\_train |
| reg\_id | int | Foreign Key | reg\_id references tbl\_register |
| class\_id | int | Foreign Key | class\_id references table tbl\_class |
| doj | date | NOT NULL | Date of Journey |
| boarding\_station | varchar(20) | NOT NULL | Boarding Station |
| reservation\_upto | varchar(20) | NOT NULL | Destination Station |
| reservation\_date | date | NOT NULL | Reservation Date |
| no\_people | int | NOT NULL | Number of people |
| total\_amount | int | NOT NULL | Total Amount |
| trans\_id | int | NOT NULL | Transaction ID |

**Table17: tbl\_order**- This table is used to store the ordered food details.

**Primary Key**:oid

**Foreign Key:** pnr\_no,fid

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraint** | **Description** |
| oid | int | Primary Key | Ordered ID |
| pnr\_no | int | Foreign Key | pnr\_no references tbl\_reservation |
| fid | int | Foreign Key | fid references tbl\_food |
| qty | int | NOT NULL | Quantity |
| charge | int | NOT NULL | Charge |