**TABLE DESIGN**

**Table Name: ROLE**

Primary key: rid

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Datatype** | **Constraints** | **Description** |
| rid | Int(10) | Primary key | Role id |
| role | Varchar(30) | Not null | role of user |
| status | Int(10) | Not null | status |

**1. Table Name: LOGIN**

Primary key: logid

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Datatype** | **Constraints** | **Description** |
| logid | Int(10) | Primary key | Login id |
| uname | Varchar(30) | Not null | User name |
| pswd | Varchar(30) | Not null | Password |
| rid | Int (30) | Foreign key | Role id |
| status | Int (10) | Not null | Valid/invalid |

**2. Table Name: TUTOR**

Primary key :tid

Foreign key: logid (LOGIN) ,cid (COURSE), proid (PROFILE)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| tid | Int(10) | Primary key | Tutor id |
| logid | Int(10) | Foreign key | Login id |
| proid | Varchar(50) | Foreign key | profile id |
| qualification | Varchar(50) | Not null | Qualification |
| cid | Varchar(50) | Not null | course id |
| districtid | Varchar(50) | Not null | District id |
| status | Int(10) | Not null | Status of tutor |

**3. Table Name: STUDENT**

Primary key : sid

Foreign key: logid (LOGIN), proid (PROFILE), districtid (DISTRICT)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| sid | Int(10) | Primary key | Student id |
| logid | Int(10) | Foreign key | Login id |
| proid | Int (10) | Foreign key | Profile id |
| districtid | Int(10) | Foreign key | District id |
| status | Int(10) | Not null | Status of student |

**4.Table Name :PROFILE**

Primary key : proid

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| proid | Int(10) | Primary key | profile id |
| fname | Varchar(50) | Not null | First name |
| lname | Varchar(50) | Not null | Last name |
| hname | Varchar(50) | Not null | House name |
| place | Varchar(50) | Not null | Place |
| post | Varchar(50) | Not null | Post office |
| pin | Varchar(50) | Not null | Pin number |
| gender | Varchar(50) | Not null | Gender |
| contact | Int(10) | Not null | Contact number |
| mail | Varchar(50) | Not null | Mail id |
| dob | Date | Not null | Date of birth |

**5.Table Name:COURSE**

Primary key:cid

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| cid | Int(10) | Primary key | Course id |
| cname | Varchar(50) | Not null | Course name |
| status | Int (10) | Not null | Course status |

**6. Table Name: SUBJECT**

Primary key: subid

Foreign key: cid(COURSE)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| subid | Int(10) | Primary key | Subject id |
| subname | Varchar(50) | Not null | Subject name |
| cid | Int (10) | Foreign key | Course id |
| status | Int(10) | Not null | Subject status |

**7. Table Name: QUESTION PAPER**

Primary key: qid

Foreign key: subid(SUBJECT)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| qid | Int(10) | Primary key | Question paper id |
| subid | In(10) | Foreign key | Subject id |
| question | Varchar(50) | Not null | Question |

**8. Table Name: options**

Primary key: opid

Foreign key: qid(QUESTION PAPER)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| opid | Int(10) | Primary key | Option id |
| qid | Int(10) | Foreign key | Question paper id |
| ch1 | Varchar(50) | Not null | Choice 1 |
| ch2 | Varchar(50) | Not null | Choice 2 |
| ch3 | Varchar(50) | Not null | Choice 3 |
| ch14 | Varchar(50) | Not null | Choice 4 |
| cans | Varchar(50) | Not null | Correct answer |

**9.Table Name: TUTORIAL**

Primary key: tuid

Foreign key: tid (TUTOR),subid(SUBJECT)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| tuid | Int(10) | Primary key | Tutorial id |
| tid | Int(10) | Foreign key | Tutor id |
| subid | Int(10) | Foreign key | Sub id |
| topic | Varchar(30) | Not null | Topic name |
| file\_name | Varchar(30) | Not null | Upload |

**10.Table Name: COUNTRY**

Primary key: countryid

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| countryid | Int(10) | Primary key | Country id |
| countryname | In(10) | Foreign key | Country name |
| status | int(10) | Not null | Status of country |

**11.Table Name: STATE**

Primary key: stateid

Foreign key: countryid (COUNTRY)

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

**12.Table Name: DISTRICT**

Primary key: districtid

Foreign key: stateid (STATE)

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

**13.Table Name: RATE**

Primary key: rateid

Foreign key: tuid (TUTORIAL)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| rateid | Int(10) | Primary key | rate id |
| tuid | Varchar(50) | Not null | Tutorial id |
| rate | Int (10) | Not null | rate value |
| logid | Int(10) | Foreign key | Login id |

**14.Table Name: BOOK\_CATEGORY**

Primary key: categoryid

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Constraints** | **Description** |
| categoryid | Int(10) | Primary key | category id |
| categoryname | Varchar(50) | Not null | category name |
| status | Int (10) | Not null | Stauts |

**15. Table Name: BOOK\_DETAILS**

Primary key: bookid

Foreign key: categoryid (CATEGORY), authored(Author)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data type** | **constraints** | **Description** |
| bookid | Int(10) | Primary key | Book id |
| bookname | Varchar(60) | Not null | Book name |
| categoryid | int(10) | Foreign key | Book category id |
| authorid | Varchar(60) | Not null | Author of book |
| description | Varchar(60) | Not null | Book description |
| price | Int(30) | Not null | Book price |
| available | Int(30) | Not null | Number of available book |
| image | Varchar(100) | Not null | Bookimage |

**16.Table Name: ORDER**

Primary key: orderid

Foreign key: logid (LOGIN),bookid (BOOK)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **field** | | **Data type** | | **constraints** | | **Description** |
| orderid | | Int(10) | | Primary key | | order id |
| logid | | int(60) | | Foreign key | | Login id |
| bookid | | int(10) | | Foreign key | | Book id |
| nob | | int(60) | | Not null | | Number of books |
| orderdate | | date | | Not null | | Order date |
| status | Int(10) | | Not null | | Status of order | |

**17.Table Name: BILLING**

Primary key: billid

Foreign key: orderid (ORDER) ,loginid (LOGIN)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field** | | **Data type** | | **constraints** | | **Description** |
| billid | | Int(10) | | Primary key | | order id |
| orderid | | int(60) | | Foreign key | | Login id |
| logid | | int(10) | | Foreign key | | Book id |
| date | date | | Not null | | Date | |
| totalamount | Int(60) | | Not null | | Total amount | |
| Status | Int(10) | | Not null | | Status of billing | |

**18.Table Name: PAYMENT**

Primary key: paymentid

Foreign key: billid (BILLING)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field** | | **Data type** | | **constraints** | | **Description** |
| paymentid | | Int(10) | | Primary key | | Payment id |
| Billid | | int(60) | | Foreign key | | Bill id |
| paymentmethod | | varchar(60) | | Not null | | Payment method |
| cardname | Varchar(60) | | Not null | | Name on the card | |
| cardnumber | int(60) | | Not null | | Number on the card | |
| cvv | int(60) | | Not null | | Cvv number | |
| logid | int(60) | | Foreign key | | Login id of customer | |
| expirerydate | date | | Not null | | Expirery date of the card | |

**Table Name: Author**

Primary key: authorid

Foreign key: categoryid (CATEGORY)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data type** | **constraints** | **Description** |
| authorid | Int(10) | Primary key | Book id |
| authorame | Varchar(60) | Not null | Book name |
| categoryid | int(10) | Foreign key | Book category id |
|  |  |  |  |