

----STUDENT----

```
CREATE TABLE STUDENT(  
  STUDENTNUMBER    INT NOT NULL,  
  PASSWORD         VARCHAR(30) NOT NULL,  
  DOB              DATE,  
  EMAIL            VARCHAR(30),  
  FIRSTNAME        VARCHAR(40),  
  LASTNAME         VARCHAR(30),  
  SEX              VARCHAR(5) NOT NULL,  
  CURADD           VARCHAR(100) NOT NULL,  
  CURPHNO          BIGINT(10) NOT NULL,  
  DATEOFJOIN       DATE,  
  STATUS           BOOLEAN,  
  PERMANENTADD     VARCHAR(100) NOT NULL,  
  PERMANENTPHNO    BIGINT(10) NOT NULL,  
  PRIMARY KEY      (STUDENTNUMBER),  
);
```

---COLLEGE_INFO---

```
CREATE TABLE COLLEGEINFO(  
  SNO INT NOT NULL AUTO_INCREMENT,  
  COLLEGENAME    VARCHAR(50),
```

```

STARTYEAR    DATE,
ENDYEAR      DATE,
STUDENTNUMBER INT NOT NULL,
COURSEID     INT NOT NULL,
DEGREEID     VARCHAR(10) ,
FOREIGN      KEY (STUDENTNUMBER) REFERENCES STUDENT(STUDENTNUMBER),
FOREIGN      KEY (DEGREEID) REFERENCES DEGREE(DEGREEID),
PRIMARY      KEY(SNO)
);

```

---- DEGREE ----

```

CREATE TABLE DEGREE(
DESCRIPTION TEXT,
DURATION     INT NOT NULL,
DEGREEID     INT NOT NULL,
PRIMARY      KEY(DEGREEID)
);

```

----STUDENTCOURSES----

```

CREATE TABLE STUDENTCOURSE(
COURSENAME    VARCHAR(30),

```

```

GRADE          VARCHAR(30),
HOURS          INT NOT NULL,
STUDENTNUMBER  INT NOT NULL,
COURSENUMBER   VARCHAR(30) NOT NULL,
OFFERINGDEPARTMENT  VARCHAR(30) NOT NULL,
FOREIGN KEY     (STUDENTNUMBER) REFERENCES STUDENT(STUDENTNUMBER),
FOREIGN KEY     (COURSENUMBER) REFERENCES COURSE(COURSENUMBER),
FOREIGN KEY     (OFFERINGDEPARTMENT) REFERENCES COURSE(OFFERINGDEPARTMENT)
);

```

--PERMANENTADDRESS--

```

CREATE TABLE PERMANENTADDRESS(
STUDENTNUMBER  VARCHAR(30),
FIRSTNAME     VARCHAR(40),
LASTNAME      VARCHAR(30),
CITY          VARCHAR(30),
STATE         VARCHAR(40),
ZIPCODE       VARCHAR(40),
FOREIGN KEY   (STUDENTNUMBER) REFERENCES STUDENT(STUDENTNUMBER)
);

```

--STUDENTDEPARTMENT--

```

CREATE TABLE STUDENTDEPARTMENT(
STUDENTNUMBER  VARCHAR(30),
TOTALSUB      INT NOT NULL,

```

```
CODE          VARCHAR(30),
FOREIGN       KEY (STUDENTNUMBER) REFERENCES STUDENT(STUDENTNUMBER),
FOREIGN       KEY (CODE) REFERENCES DEPARTMENT(CODE)
);
```

--DEPARTMENT--

```
CREATE TABLE DEPARTMENT(
CODE   VARCHAR(30),
NAME   VARCHAR(30),
SUBJECTS  INT NOT NULL,
PRIMARY KEY (CODE)
);
```

--GRADEREPORT--

```
CREATE TABLE GRADEREPORT(
LETTERGRADE  VARCHAR(20),
NUMERICGRADE  VARCHAR(20),
STUDENTNUMBER  VARCHAR(20),
SECTIONNAME  VARCHAR(20),
FOREIGN KEY   (STUDENTNUMBER) REFERENCES STUDENT(STUDENTNUMBER),
FOREIGN KEY   (SECTIONNUMBER) REFERENCES SECTION(SECTIONNUMBER),
);
```

--SECTION--

```
CREATE TABLE SECTION(
```

```
SECTIONNAME  VARCHAR(30) NOT NULL,  
COURSENUMBER VARCHAR NOT NULL,  
CODE         VARCHAR(30),  
INSTRUCTOR   VARCHAR(20),  
SEMESTER      VARCHAR(30),  
YEAR         VARCHAR(30),  
COURSE       VARCHAR(30),  
PRIMARY KEY   (SEMESTER),  
PRIMARY KEY   (YEAR),  
FORIEGN KEY   (CODE) REFERENCES DEPARTMENT (CODE)  
);
```

--COURSE--

```
CREATE TABLE COURSE(  
  
COURSENUMBER  VARCHAR(30),  
NAME          VARCHAR(30),  
DESCRIPTION    VARCHAR(30),  
SEMESTERHOURS  VARCHAR(30),  
COURSELEVEL    VARCHAR(30),  
OFFERINGDEPARTMENT VARCHAR(32) UNIQUE NOT NULL,  
PRIMARY KEY    (COURSENUMBER)  
);
```

---EXAM---

```
CREATE TABLE EXAM(  
    EXAMID    VARCHAR(30) NOT NULL,  
    EXAMTYPE  VARCHAR(30) NOT NULL,  
    EXAMNAME  VARCHAR(30) NOT NULL,  
    STARTDATE DATE    NOT NULL,  
    PRIMARY KEY (EXAMID)  
);
```

--EXAMRESULT--

```
CREATE TABLE EXAMRESULT(  
    EXAMID    VARCHAR(30) NOT NULL,  
    STUDENTNUMBER VARCHAR(30) NOT NULL,  
    COURSENUMBER VARCHAR(30) NOT NULL,  
    MARKS     VARCHAR(30) NOT NULL,  
    FOREIGN KEY (EXAMID) REFERENCES EXAM(EXAMID),  
    FOREIGN KEY (STUDENTNUMBER) REFERENCES STUDENT(STUDENTNUMBER),  
    FOREIGN KEY (COURSENUMBER) REFERENCES COURSE(COURSENUMBER),  
);
```

--ATTENDANCE--

```
CREATE TABLE ATTENDANCE(  
    TOTALATTENDANCE INT NOT NULL,  
    ELIGIBILITY     BOOLEAN NOT NULL,  
    STUDENTNUMBER   VARCHAR(30) NOT NULL,
```

```
REMARK TEXT    NOT NULL,  
  
STATUS         VARCHAR(30) NOT NULL,  
  
FOREIGN KEY    (STUDENTNUMBER) REFERENCES STUDENT(STUDENTNUMBER),  
  
);
```

--TEACHER--

```
CREATE TABLE TEACHER(  
  
    TEACHERID INT NOT NULL,  
  
    TEMAIL VARCHAR(30) NOT NULL,  
  
    FIRSTNAME VARCHAR(30) NOT NULL,  
  
    LASTNAME VARCHAR(30) NOT NULL,  
  
    ADDRESS VARCHAR(30),  
  
    PHONENUMBER VARCAHR(30),  
  
    DOB DATE NOT NULL,  
  
    PRIMARY KEY(TEACHERID)  
  
);
```