CREATE TABLE PEOPLE(

Name CHAR(20),

Mail CHAR(20),

ID INTEGER,

Sex CHAR(20),

PRIMARY KEY (ID)

);

CREATE TABLE STUDENT(

Major CHAR(20),

Total\_Credit INTEGER,

Entrance\_Year INTEGER,

ID INTEGER NOT NULL,

PRIMARY KEY (ID),

FOREIGN KEY (ID) REFERENCES PEOPLE(ID)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE OFFICE(

Phone\_Number INTEGER,

Office\_Number CHAR(20),

PRIMARY KEY (Office\_Number)

);

CREATE TABLE INSTRUCTOR(

Office\_Number CHAR(20),

Contract\_id INTEGER,

ID INTEGER NOT NULL,

PRIMARY KEY (ID),

FOREIGN KEY (ID) REFERENCES PEOPLE(ID)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (Office\_Number) REFERENCES OFFICE(Office\_Number)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE FACULTY(

Name CHAR(20),

PRIMARY KEY (Name)

);

CREATE TABLE COURSE\_TEACHER(

Name CHAR(20),

Time INTEGER,

Course\_Code CHAR(20),

Credit INTEGER,

Class CHAR(20),

Instructor\_Id INTEGER NOT NULL,

PRIMARY KEY (Course\_Code),

FOREIGN KEY (Instructor\_Id) REFERENCES INSTRUCTOR(ID)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE PREREQUISITE\_OF(

Course CHAR(20),

Prequisite\_of CHAR(20) ,

PRIMARY KEY(Course,Prequisite\_of),

FOREIGN KEY (Course) REFERENCES COURSE\_TEACHER(Course\_Code)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (Prequisite\_of) REFERENCES COURSE\_TEACHER(Course\_Code)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE TAKES(

Course\_Code CHAR(20) NOT NULL,

Student\_ID INTEGER NOT NULL,

PRIMARY KEY (Course\_Code, Student\_ID),

FOREIGN KEY (Course\_Code) REFERENCES COURSE\_TEACHER(Course\_Code)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (Student\_ID) REFERENCES STUDENT(ID)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE BELONGS\_TO(

Course\_Code CHAR(20) NOT NULL,

Faculty CHAR(20) NOT NULL,

PRIMARY KEY (Course\_Code),

FOREIGN KEY (Course\_Code) REFERENCES COURSE\_TEACHER(Course\_Code)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (Faculty) REFERENCES FACULTY(Name)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE STUDIES\_IN(

Student\_ID INTEGER,

Faculty CHAR(20) NOT NULL,

PRIMARY KEY (Student\_ID),

FOREIGN KEY (Student\_ID) REFERENCES STUDENT(ID)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (Faculty) REFERENCES FACULTY(Name)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE WORKS\_IN(

Instructor\_ID INTEGER,

Faculty CHAR(20) NOT NULL,

PRIMARY KEY (Instructor\_ID),

FOREIGN KEY (Instructor\_ID) REFERENCES INSTRUCTOR(ID)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (Faculty) REFERENCES FACULTY(Name)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE CLUBS(

Name CHAR(20),

Email CHAR(20),

President\_ID INTEGER,

PRIMARY KEY (Name),

FOREIGN KEY (President\_ID) REFERENCES STUDENT(ID)

ON UPDATE CASCADE

ON DELETE CASCADE

);

CREATE TABLE JOINS(

Student\_ID INTEGER,

Club\_Name CHAR(20) NOT NULL,

PRIMARY KEY (Student\_ID, Club\_Name),

FOREIGN KEY (Student\_ID) REFERENCES STUDENT(ID)

ON UPDATE CASCADE

ON DELETE CASCADE,

FOREIGN KEY (Club\_Name) REFERENCES CLUBS(Name)

ON UPDATE CASCADE

ON DELETE CASCADE

);