CREATE TABLE DEPARTMENT(

DEPARTMENT\_ID INT NOT NULL,

NAME VARCHAR(30) NOT NULL,

CONTACT\_NUMBER INT NOT NULL,

EMAIL VARCHAR(25),

PRIMARY KEY(DEPARTMENT\_ID)

);

CREATE TABLE INSTRUCTOR(

INSTRUCTOR\_ID INT NOT NULL,

FIRST\_NAME VARCHAR(10) NOT NULL,

LAST\_NAME VARCHAR(15),

DEPARTMENT\_ID INT NOT NULL,

CONTACT\_NUMBER INT,

EMAIL VARCHAR(25),

PRIMARY KEY(INSTRUCTOR\_ID)

);

CREATE TABLE COURSE(

COURSE\_ID INT NOT NULL,

COURSE\_NAME VARCHAR(40) NOT NULL,

COURSE\_TYPE VARCHAR(9) NOT NULL,

TERM VARCHAR(6) NOT NULL,

PRIMARY KEY(COURSE\_ID)

);

CREATE TABLE STUDENT(

STUDENT\_ID INT NOT NULL,

FIRST\_NAME VARCHAR(10) NOT NULL,

LAST\_NAME VARCHAR(15),

TERM VARCHAR(6),

CONTACT\_NUMBER INT NOT NULL,

EMAIL VARCHAR(25),

PRIMARY KEY(STUDENT\_ID)

);

CREATE TABLE ATTENDANCE(

ATTENDANCE\_ID INT NOT NULL,

STUDENT\_ID INT NOT NULL,

COURSE\_ID INT NOT NULL,

DATE\_ATTENDED DATE,

HOURS INT,

PRIMARY KEY(ATTENDANCE\_ID)

);

ALTER TABLE INSTRUCTOR

ADD CONSTRAINT INSTRUCTOR\_DEPARTMENT\_ID\_FK

FOREIGN KEY (DEPATMENT\_ID)

REFERENCES DEPARTMENT(DEPARTMENT\_ID);

ALTER TABLE ATTENDANCE

ADD CONSTRAINT ATTENDANCE\_STUDENT\_ID\_FK

FOREIGN KEY (STUDENT\_ID)

REFERENCES STUDENT (STUDENT\_ID);

ALTER TABLE ATTENDANCE

ADD CONSTRAINT ATTENDANCE\_COURSE\_ID\_FK

FOREIGN KEY (COURSE\_ID)

REFERENCES COURSE (COURSE\_ID);

ALTER TABLE STUDENT

ADD CONSTRAINT STUDENT\_TERM\_CK

CHECK(TERM="SPRING" OR TERM="WINTER" OR TERM="FALL");

ALTER TABLE COURSE

ADD CONSTRAINT COURSE\_COURSE\_TYPE\_CK

CHECK(COURSE\_TYPE="FULL TIME" OR COURSE\_TYPE="PART TIME" );

ALTER TABLE COURSE

ADD CONSTRAINT COURSE\_COURSE\_TYPE\_CK

CHECK(COURSE\_TYPE="FULL TIME" OR COURSE\_TYPE="PART TIME" );

ALTER TABLE STUDENT

ADD CONSTRAINT STUDENT\_STUDENT\_ID\_CK

CHECK(STUDENT\_ID > 9999 AND STUDENT\_ID < 100000);