DROP TABLE COURSE\_RULE;

DROP TABLE PREFERENCES;

DROP TABLE TIMES;

DROP TABLE ROOM;

DROP TABLE PTTEACHER;

DROP TABLE FULLTIME;

DROP TABLE PHONE;

DROP TABLE SECTION;

DROP TABLE WHITEBOARD;

DROP TABLE BUILDING;

DROP TABLE TIMESLOT;

DROP TABLE SEMESTER;

DROP TABLE FACULTY;

DROP TABLE ROADMAP;

DROP TABLE PREREQUISITES;

DROP TABLE MAJOR;

DROP TABLE COURSE;

/\*----------DROP TABLES IN THIS ORDER-------------\*/

CREATE TABLE COURSE(

ID INT,

CNAME VARCHAR(45),

CREDITS INT,

DESCRIPTION VARCHAR(100),

PRIMARY KEY (ID)

);

CREATE TABLE FACULTY(

ID INT NOT NULL AUTO\_INCREMENT,

FNAME VARCHAR(45),

LNAME VARCHAR(45),

ADDRESS VARCHAR(45),

CITY VARCHAR(45),

ZIP VARCHAR(45),

EMAIL VARCHAR(45),

SALARY DECIMAL(10,2),

PRIMARY KEY (ID)

);

CREATE TABLE SEMESTER(

ID INT,

SEMESTER VARCHAR(45),

PRIMARY KEY (ID)

);

CREATE TABLE TIMESLOT(

ID INT,

START\_TIME CHAR(10),

END\_TIME CHAR(10),

TDAY VARCHAR(45),

PRIMARY KEY (ID)

);

CREATE TABLE BUILDING(

ID INT,

BNAME VARCHAR(45),

DESCRIPTION VARCHAR(45),

PRIMARY KEY (ID)

);

CREATE TABLE MAJOR(

ID INT,

PROGRAM VARCHAR(100),

DEAN VARCHAR(45),

PROGRAM\_COORDINATOR VARCHAR(45),

PRIMARY KEY (ID)

);

CREATE TABLE WHITEBOARD(

RULEID INT,

RULEDESCRIPTION VARCHAR(150),

PRIMARY KEY (RULEID)

);

/\*ABOVE THIS COMMENT ARE TABLES WITHOUT FOREIGN KEYS

-----------------------------------------------------------------------------------------------------

BELOW ARE TABLES THAT REQUIRE FOREIGN KEYS

\*/

/\*FOREIGN KEY (COURSE\_ID, FACULTY\_ID, SEMESTER\_ID)-------------------------------------------------\*/

CREATE TABLE SECTION(

ID INT,

CAPACITY INT,

STYPE VARCHAR(45),

STARTDATE DATE,

ENDDATE DATE,

COURSE\_ID INT,

FACULTY\_ID INT,

SEMESTER\_ID INT,

primary key(id),

foreign key(COURSE\_id) references COURSE(ID),

foreign key(FACULTY\_id) references FACULTY(ID),

foreign key(SEMESTER\_id) references SEMESTER(ID)

);

/\*FOREIGN KEY (COURSE\_ID, FACULTY\_ID, SEMESTER\_ID)-------------------------------------------------\*/

/\*FACULTY\_ID IS THE FOREIGN KEY FOR THESE TABLES -----------------------------------------------\*/

CREATE TABLE PHONE(

PHONE VARCHAR(15),

PTYPE VARCHAR(10),

FACULTY\_ID INT,

PRIMARY KEY (PHONE),

FOREIGN KEY (FACULTY\_ID) REFERENCES FACULTY(ID)

);

CREATE TABLE FULLTIME(

FACULTY\_ID INT,

CREDITS INT,

FTYPE VARCHAR(45),

OFFICE VARCHAR(45),

PRIMARY KEY(FACULTY\_ID),

FOREIGN KEY (FACULTY\_ID) REFERENCES FACULTY(ID)

);

CREATE TABLE PTTEACHER(

FACULTY\_ID INT,

DEGREE VARCHAR(45),

MAJOR VARCHAR(45),

PRIMARY KEY (FACULTY\_ID),

FOREIGN KEY (FACULTY\_ID) REFERENCES FACULTY(ID)

);

/\* FACULTY\_ID IS THE FOREIGN KEY FOR THESE TABLES ----------------------------------------------\*/

/\*FOREIGN KEY IS BUILDING\_ID-----------------------------------------------------------------\*/

CREATE TABLE ROOM(

ID INT,

CAPACITY INT,

RTYPE VARCHAR(45),

BUILDING\_ID INT,

PRIMARY KEY(ID),

FOREIGN KEY(BUILDING\_ID) REFERENCES BUILDING (ID)

);

/\*FOREIGN KEY IS BUILDING\_ID---------------------------------------------------------------\*/

/\* PRIMARY KEY AND FOREIGN KEY (SECTION\_ID, ROOM\_ID, TIMESLOT\_ID) ------------------------\*/

CREATE TABLE TIMES(

SECTION\_ID INT,

TIMESLOT\_ID INT,

ROOM\_ID INT,

PRIMARY KEY (SECTION\_ID, TIMESLOT\_ID, ROOM\_ID),

FOREIGN KEY (SECTION\_ID) REFERENCES SECTION(ID),

FOREIGN KEY (ROOM\_ID) REFERENCES ROOM(ID),

FOREIGN KEY (TIMESLOT\_ID) REFERENCES TIMESLOT(ID)

);

/\* PRIMARY KEY AND FOREIGN KEY (SECTION\_ID, ROOM\_ID, TIMESLOT\_ID) -------------------------\*/

/\*FOREIGN KEYS (FACULTY\_ID, COURSE\_ID, TIMESLOT\_ID, SEMESTER\_ID) -------------------------\*/

CREATE TABLE PREFERENCES(

ID INT,

FACULTY\_ID INT,

COURSE\_ID INT,

TIMESLOT\_ID INT,

SEMESTER\_ID INT,

PRIMARY KEY(ID),

FOREIGN KEY (FACULTY\_ID) REFERENCES FACULTY(ID),

FOREIGN KEY (COURSE\_ID) REFERENCES COURSE(ID),

FOREIGN KEY (TIMESLOT\_ID) REFERENCES TIMESLOT(ID),

FOREIGN KEY (SEMESTER\_ID) REFERENCES SEMESTER(ID)

);

/\*FOREIGN KEYS (FACULTY\_ID, COURSE\_ID, TIMESLOT\_ID, SEMESTER\_ID)--------------------------\*/

/\*PRIMARY AND FOREIGN KEYS (COURSE\_ID, ROADMAP\_ID)---------------------------------------\*/

CREATE TABLE ROADMAP(

ID INT,

COURSE\_ID INT,

SEMESTER VARCHAR(45),

PRIMARY KEY(COURSE\_ID, ID),

FOREIGN KEY (COURSE\_ID) REFERENCES COURSE(ID),

FOREIGN KEY (ID) REFERENCES MAJOR (ID)

);

/\*PRIMARY AND FOREIGN KEYS (COURSE\_ID, ROADMAP\_ID)--------------------------------------\*/

/\* PRIMARY AND FOREIGN KEYS (COURSE\_START, COURSE\_END)----------------------------------\*/

CREATE TABLE PREREQUISITES(

PREREQUISITES VARCHAR(45),

COURSE\_START INT,

COURSE\_END INT,

PRIMARY KEY (COURSE\_START, COURSE\_END),

FOREIGN KEY (COURSE\_START) REFERENCES COURSE(ID),

FOREIGN KEY (COURSE\_END) REFERENCES COURSE(ID)

);

/\* PRIMARY AND FOREIGN KEYS (COURSE\_START, COURSE\_END)----------------------------------\*/

/\* PRIMARY AND FOREIGN KEYS (COURSE\_ID, wHITEBOARD\_ID)----------------------------------\*/

CREATE TABLE COURSE\_RULE(

COURSE\_ID INT,

WHITEBOARD\_ID INT,

PRIMARY KEY (COURSE\_ID, WHITEBOARD\_ID),

FOREIGN KEY (COURSE\_ID) REFERENCES COURSE(ID),

FOREIGN KEY (WHITEBOARD\_ID) REFERENCES WHITEBOARD(RULEID)

);

/\* PRIMARY AND FOREIGN KEYS (COURSE\_ID, wHITEBOARD\_ID)----------------------------------\*/