-- Create Tables

CREATE TABLE Instructor (

ID NUMBER(5),

Name VARCHAR2(30),

Dept\_name VARCHAR2(20),

Salary NUMBER(6)

);

CREATE TABLE Course (

Course\_id VARCHAR2(10),

Title VARCHAR2(30),

Dept\_name VARCHAR2(20),

Credits NUMBER(2)

);

CREATE TABLE Prereq (

Course\_id VARCHAR2(10),

Prereq\_id VARCHAR2(10)

);

CREATE TABLE Department (

Dept\_name VARCHAR2(20),

Building VARCHAR2(20),

Budget NUMBER(10)

);

CREATE TABLE Teaches (

ID NUMBER(5),

Course\_id VARCHAR2(10),

Sec\_id NUMBER(2),

Semester VARCHAR2(10),

Year NUMBER(4)

);

-- Insert Data into Instructor Table

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (10101, 'Srinivasan', 'Comp. Sci.', 65000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (12121, 'Wu', 'Finance', 90000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (15151, 'Mozart', 'Music', 40000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (22222, 'Einstein', 'Physics', 95000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (32343, 'El Said', 'History', 60000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (33456, 'Gold', 'Physics', 87000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (45565, 'Katz', 'Comp. Sci.', 75000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (58583, 'Califieri', 'History', 62000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (76543, 'Singh', 'Finance', 80000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (76766, 'Crick', 'Biology', 72000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (83821, 'Brandt', 'Comp. Sci.', 92000);

INSERT INTO Instructor (ID, Name, Dept\_name, Salary) VALUES (98345, 'Kim', 'Elec. Eng.', 80000);

-- Insert Data into Course Table

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('BIO-101', 'Intro. to Biology', 'Biology', 4);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('BIO-301', 'Genetics', 'Biology', 4);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('BIO-399', 'Computational Biology', 'Biology', 3);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('CS-101', 'Intro. to Computer Science', 'Comp. Sci.', 4);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('CS-190', 'Game Design', 'Comp. Sci.', 4);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('CS-315', 'Robotics', 'Comp. Sci.', 3);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('CS-319', 'Image Processing', 'Comp. Sci.', 3);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('CS-347', 'Database System Concepts', 'Comp. Sci.', 3);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('EE-181', 'Intro. to Digital Systems', 'Elec. Eng.', 3);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('FIN-201', 'Investment Banking', 'Finance', 3);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('HIS-351', 'World History', 'History', 3);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('MU-199', 'Music Video Production', 'Music', 3);

INSERT INTO Course (Course\_id, Title, Dept\_name, Credits) VALUES ('PHY-101', 'Physical Principles', 'Physics', 4);

-- Insert Data into Prereq Table

INSERT INTO Prereq (Course\_id, Prereq\_id) VALUES ('BIO-301', 'BIO-101');

INSERT INTO Prereq (Course\_id, Prereq\_id) VALUES ('BIO-399', 'BIO-101');

INSERT INTO Prereq (Course\_id, Prereq\_id) VALUES ('CS-190', 'CS-101');

INSERT INTO Prereq (Course\_id, Prereq\_id) VALUES ('CS-315', 'CS-101');

INSERT INTO Prereq (Course\_id, Prereq\_id) VALUES ('CS-319', 'CS-101');

INSERT INTO Prereq (Course\_id, Prereq\_id) VALUES ('CS-347', 'CS-101');

INSERT INTO Prereq (Course\_id, Prereq\_id) VALUES ('EE-181', 'PHY-101');

-- Insert Data into Department Table

INSERT INTO Department (Dept\_name, Building, Budget) VALUES ('Biology', 'Watson', 90000);

INSERT INTO Department (Dept\_name, Building, Budget) VALUES ('Comp. Sci.', 'Taylor', 100000);

INSERT INTO Department (Dept\_name, Building, Budget) VALUES ('Elec. Eng.', 'Taylor', 85000);

INSERT INTO Department (Dept\_name, Building, Budget) VALUES ('Finance', 'Painter', 120000);

INSERT INTO Department (Dept\_name, Building, Budget) VALUES ('History', 'Painter', 50000);

INSERT INTO Department (Dept\_name, Building, Budget) VALUES ('Music', 'Packard', 80000);

INSERT INTO Department (Dept\_name, Building, Budget) VALUES ('Physics', 'Watson', 70000);

-- Insert Data into Teaches Table

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (10101, 'CS-101', 1, 'Fall', 2009);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (10101, 'CS-315', 1, 'Spring', 2010);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (10101, 'CS-347', 1, 'Fall', 2009);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (12121, 'FIN-201', 1, 'Spring', 2010);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (15151, 'MU-199', 1, 'Spring', 2010);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (22222, 'PHY-101', 1, 'Fall', 2009);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (32343, 'HIS-351', 1, 'Spring', 2010);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (45565, 'CS-319', 1, 'Spring', 2010);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (76766, 'BIO-101', 1, 'Summer', 2009);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (76766, 'BIO-101', 1, 'Summer', 2010);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (83821, 'CS-190', 1, 'Spring', 2009);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (83821, 'CS-319', 2, 'Spring', 2010);

INSERT INTO Teaches (ID, Course\_id, Sec\_id, Semester, Year) VALUES (98345, 'EE-181', 1, 'Spring', 2009);

-- End of SQL Script