CS306

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-database.html) [DATABASE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-database.html) CS306\_d2

CREATE TABLE Class (

classid CHAR(20),

Capacity INTEGER,

PRIMARY KEY (classid)

);

CREATE TABLE Instructor (

inst\_id INTEGER,

inst\_name CHAR(50),

PRIMARY KEY (inst\_id)

);

CREATE TABLE Courses (

course\_id CHAR(20),

course\_name CHAR(50),

PRIMARY KEY (course\_id)

);

CREATE TABLE Student (

stu\_id INTEGER,

stu\_name CHAR(50),

stu\_gen CHAR(1),

stu\_ent\_year INTEGER,

PRIMARY KEY (stu\_id)

);

CREATE TABLE Observer (

obs\_id INTEGER,

obs\_name CHAR(50),

PRIMARY KEY (obs\_id)

);

ERROR

CREATE TABLE Enrollment (

course\_id CHAR(20),

stu\_id INTEGER,

PRIMARY KEY (course\_id, stu\_ id),

FOREIGN KEY (course\_id) REFERENCES Courses (course\_id) ON UPDATE CASCADE,

FOREIGN KEY (stu\_id) REFERENCES Student (stu\_id) ON DELETE CASCADE

);

ERROR

CREATE TABLE Teach (

inst\_id INTEGER,

course\_id CHAR(20),

PRIMARY KEY (inst\_id, course\_id),

FOREIGN KEY (inst\_id) REFERENCES Instructor(inst\_id) ON DELETE CASCADE,

FOREIGN KEY (course\_id) REFERENCES Courses(course\_id) ON UPDATE CASCADE

);

CREATE TABLE CourseSchedule (

classid CHAR(20),

course\_id CHAR(20),

time DATE,

PRIMARY KEY (classid, course\_id),

FOREIGN KEY (classid) REFERENCES Class (classid) ON UPDATE CASCADE,

FOREIGN KEY (course\_id) REFERENCES Courses (course\_id) ON DELETE CASCADE

);

CREATE TABLE Exam (

classid CHAR(20),

obs\_id INTEGER,

inst\_id INTEGER,

course\_id CHAR(20),

stu\_id INTEGER,

PRIMARY KEY (classid, obs\_id, inst\_id, course\_id, stu\_id),

FOREIGN KEY (classid) REFERENCES Class (classid),

FOREIGN KEY (obs\_id) REFERENCES Observer (obs\_id),

FOREIGN KEY (inst\_id) REFERENCES Instructor (inst\_id),

FOREIGN KEY (course\_id) REFERENCES Courses (course\_id),

FOREIGN KEY (stu\_id) REFERENCES Student (stu\_id)

);

INSERT INTO Student (stu\_id, stu\_name, stu\_gen, stu\_ent\_year)

VALUES (00027756, "Burcu Durmus", "F", 2019),

(00027899, "Umut Ulas Aydin", "M", 2019),

(00025021, "Baris Ege Cetin", "M", 2017),

(00026678, "Sude Kadayifci", "F", 2018),

(00022051, "Yaren Demir", "F", 2021),

(00030521, "Teoman Yamacı", "M", 2021),

(00028046, "Sarp Sargınoglu", "M", 2019),

(00029459, "Begüm Yardimci", "F",2020)

INSERT INTO Courses (course\_id, course\_name)

VALUES ("20683", "CS201"),

("20777", "CS204"),

("20222", "CS210"),

("20227", "CS300"),

("20353", "IE303"),

("20364", "IE309"),

("20990", "IE312")

INSERT INTO Instructor (inst\_id, inst\_name)

VALUES (00011232, "Gulsen Demiroz"),

(00012323, "Yücel Saygın"),

(00022222, "Emre Erol"),

(00044321, "Robert Booth"),

(00054123, "Baris Altop"),

(00038344, "Selim Balcisoy"),

(00028773, "Cem Güneri"),

(00023344, "Inanc Arin")

INSERT INTO Class (classid, Capacity)

VALUES ("FensG077", 275),

("FensG032", 80),

("FensG035", 80),

("Fman1099", 275),

("FassG062", 150),

("Fass1099", 30),

("FensL067", 45)

INSERT INTO Observer (obs\_id, obs\_name)

VALUES (00022399, "Buse Nur Karatepe"),

(00022143, "Ece Erulker"),

(00025734, "Arca Ozkan"),

(00023455, "Ebru Aslan"),

(00045433, "Tolga Erguner"),

(00023453, "Damla Kaya")