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-- Team 10 SQL Samurai  
USE BUDT702_Project_0502_10
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```
--SQL create tables:
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```
CREATE TABLE [SmithSchoolRanking.Program] (  
prgmID CHAR (2) NOT NULL,  
prgmName VARCHAR (50),  
prgmAcronym VARCHAR (5),  
prgmDegree VARCHAR (6),  
prgmCredit CHAR (2),  
prgmSemester CHAR (2),  
prgmDuration CHAR (2),  
prgmAvgGPA DECIMAL (2,1),  
prgmAvgGREReq CHAR (3),  
prgmAvgTOFELReq VARCHAR (3),  
CONSTRAINT pk_Program_prgmID PRIMARY KEY (prgmID),  
);
```

```
CREATE TABLE [SmithSchoolRanking.Rank] (  
rankID CHAR (2) NOT NULL,  
ranking INT,  
prgmRankYear CHAR (4),  
rankingAgencyName VARCHAR (25),  
prgmID CHAR (2)  
CONSTRAINT pk_rankID PRIMARY KEY (rankID),  
CONSTRAINT fk_Program_prgmID FOREIGN KEY (prgmID)  
REFERENCES [SmithSchoolRanking.Program] (prgmID)  
ON DELETE CASCADE  
ON UPDATE NO ACTION  
);
```

```
CREATE TABLE [SmithSchoolRanking.Faculty] (  
facultyID CHAR (2) NOT NULL,  
facultyName VARCHAR(600),  
facultyFName VARCHAR(600),  
facultyLName VARCHAR(600),  
facultyTitle VARCHAR(600),  
facultyQualification VARCHAR(600),  
facultyDOJ CHAR(4),  
facultyEmpDurationInYears INT,  
facultyEmail VARCHAR(500),  
CONSTRAINT pk_facultyID PRIMARY KEY (facultyID)  
);
```

```
CREATE TABLE [SmithSchoolRanking.Research](  
researchID CHAR (2) NOT NULL,  
researchTitle VARCHAR(300),  
researchArea VARCHAR(300),  
researchGrant INT,  
facultyID CHAR (2),  
CONSTRAINT pk_researchID PRIMARY KEY (researchID),  
CONSTRAINT fk_Faculty_facultyID FOREIGN KEY(facultyID)  
REFERENCES [SmithSchoolRanking.Faculty](facultyID)  
ON DELETE NO ACTION  
ON UPDATE NO ACTION  
);
```

```
CREATE TABLE [SmithSchoolRanking.Placement] (  

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placementID CHAR (2) NOT NULL,
placementRate INT,
avgSalary DECIMAL (12,2),
graduationYear CHAR (4),
placementTopIndustry VARCHAR (90),
placementTopCompany VARCHAR (90),
prgmID CHAR (2),
    CONSTRAINT pk_Placement_placementID PRIMARY KEY (placementID),
    CONSTRAINT fk_Program_prgmID2 FOREIGN KEY (prgmID)
        REFERENCES [SmithSchoolRanking.Program] (prgmID)
        ON DELETE CASCADE
        ON UPDATE CASCADE
);

CREATE TABLE [SmithSchoolRanking.Alumni] (
alumniID CHAR (2) NOT NULL,
alumniGraduationYear CHAR (4),
alumniName VARCHAR (75),
alumniCompanyName VARCHAR (75),
alumniDesignation VARCHAR (75),
prgmID CHAR (2),
    CONSTRAINT pk_alumniID PRIMARY KEY (alumniID),
    CONSTRAINT fk_Program_prgmID3 FOREIGN KEY (prgmID)
        REFERENCES [SmithSchoolRanking.Program] (prgmID)
        ON DELETE NO ACTION
        ON UPDATE NO ACTION
);

CREATE TABLE [SmithSchoolRanking.Assign] (
facultyID CHAR (2) NOT NULL,
prgmID CHAR (2) NOT NULL,
courseName VARCHAR (25)
    CONSTRAINT pk_Assign_facultyID_prgmID PRIMARY KEY (facultyID, prgmID),
    CONSTRAINT fk_Faculty_facultyID2 FOREIGN KEY (facultyID)
        REFERENCES [SmithSchoolRanking.Faculty] (facultyID)
        ON DELETE NO ACTION
        ON UPDATE NO ACTION,
    CONSTRAINT fk_Program_prgmID4 FOREIGN KEY (prgmID)
        REFERENCES [SmithSchoolRanking.Program] (prgmID)
        ON DELETE CASCADE
        ON UPDATE NO ACTION
);

```