**Joseph Patrick Lab: Structured Query Language (SQL) Queries Data Definition Language (DDL) Create Table**

**EXAMPLE – How your output should look for each table**

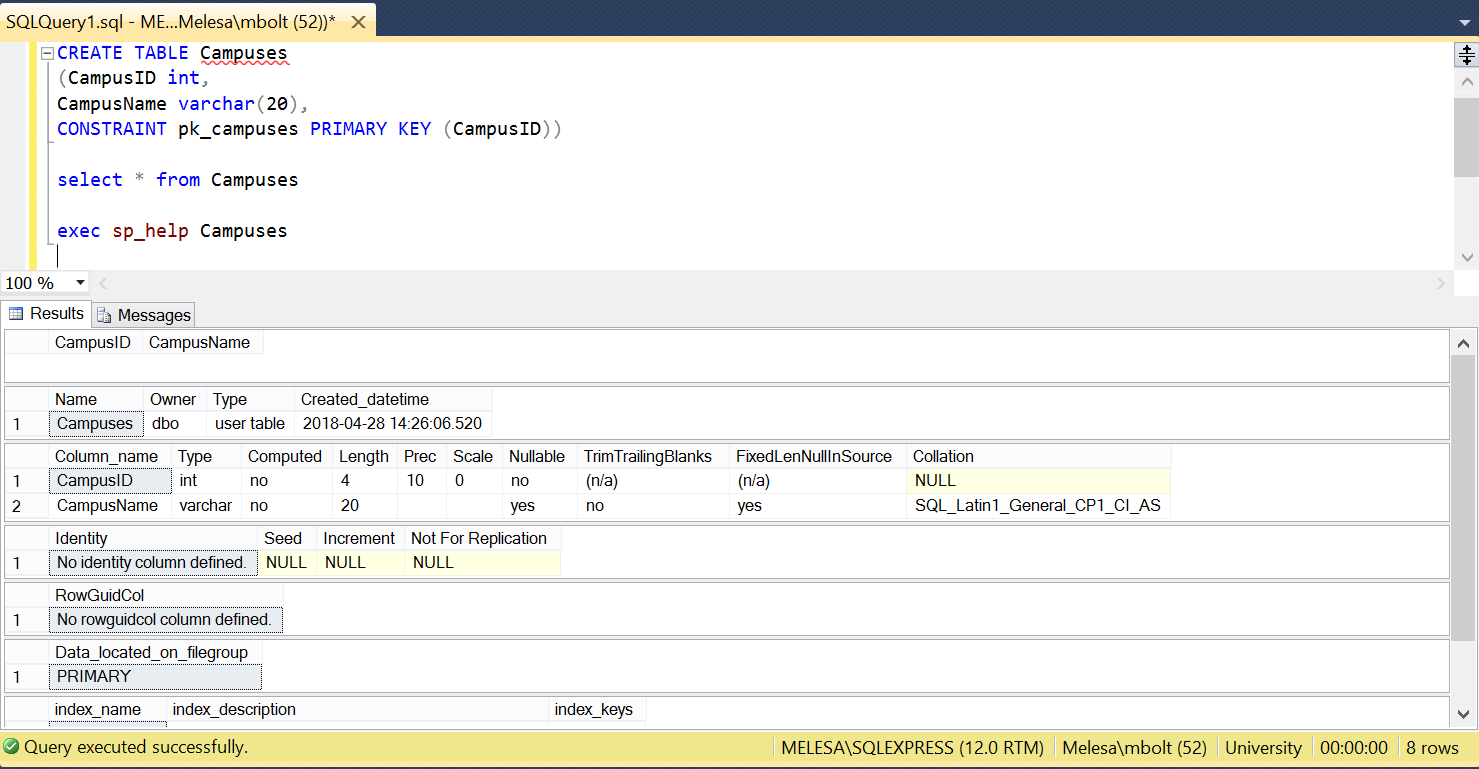
Campuses:

CREATE TABLE Campuses

(CampusID int,

CampusName varchar(20),

CONSTRAINT pk\_campuses PRIMARY KEY (CampusID))



Diagram, schematic

Description automatically generated

Campuses:

CREATE TABLE Campuses

(CampusID int,

CampusName varchar(20),

CONSTRAINT pk\_campuses Primary Key (CampusID))

Graphical user interface, application

Description automatically generated

Buildings:

Create Table Buildings(

BuildingID int,

Address varchar(20),

BuildingName varchar(20),

CampusID int,

ZipCode char(5),

Constraint pk\_buildings Primary Key (BuildingID),

Constraint fk\_CampusID foreign Key (CampusID) references Campuses,

Constraint fk\_ZipCode foreign Key (ZipCode) references ZipCode) Graphical user interface, text, application

Description automatically generated

ClassRooms:

Create table ClassRooms(

RoomNumber int,

Occupancy int,

BuildingID int,

constraint pk\_ClassRooms primary key (RoomNumber),

constraint fk\_BuildingID foreign key (BuildingID) references Buildings) Graphical user interface, text, application

Description automatically generated

Sections:

create table Sections(

SectionID int,

SectionNumber varchar(6),

Term varchar(10),

Year varchar(5),

CourseID int,

RoomNumber int,

FacultyID int,

constraint pk\_Sections primary key (SectionID),

constraint fk\_CourseID foreign key (CourseID) references Courses,

constraint fk\_RoomNumber foreign key (RoomNumber) references ClassRooms,

constraint fk\_FacultyID foreign key (FacultyID) references Faculty,

)Graphical user interface, text, application

Description automatically generated

Courses:

create table Courses(

CourseID int,

CoursePrefix varchar(10),

CourseNumber varchar(6),

CourseName varchar(30),

constraint pk\_Courses primary key (CourseID))

Graphical user interface, application

Description automatically generated

FacultyOffices:

create table FacultyOffices(

OfficeNumber int,

BuildingID int,

constraint pk\_FacultyOffices primary key (OfficeNumber),

constraint fk\_Building foreign key (BuildingID) references Buildings)Graphical user interface, text, application, email

Description automatically generated

Faculty:

create table Faculty(

FacultyID int,

FirstName varchar(15),

LastName varchar(15),

Address varchar(20),

Rank int,

Salary int,

OfficeNumber int,

ZipCode char(5),

Speciality varchar(20),

constraint pk\_Faculty primary Key (FacultyID),

constraint fk\_OfficeNumber foreign key (OfficeNumber) references FacultyOffices,

constraint fk\_Zip foreign key (ZipCode) references ZipCode)

Graphical user interface, text, application

Description automatically generated

Students:

create table Students(

StudentID int,

FirstName varchar(20),

LastName varchar(20),

StreetAddress varchar(20),

Phone int,

Birthdate varchar(8),

ZipCode char(5),

FacultyID int,

SectionID int,

MentorID int,

constraint fk\_ZipStu foreign key (ZipCode) references ZipCode,

constraint fk\_FacID foreign key (FacultyID) references Faculty,

constraint fk\_SectionID foreign key (SectionID) references Sections,

constraint fk\_MentorID foreign key (MentorID) references Students

constraint pk\_Students primary key (StudentID),

Graphical user interface, application, table

Description automatically generated

ZipCode:

create table ZipCode(

ZipCode char(10),

City varchar(20),

StateAbbr char(2),

constraint pk\_ZipCode primary key (ZipCode))

Graphical user interface, text, application, email

Description automatically generated

Enroll:

create table Enroll(

EnrollID int,

StartDate char(8),

Grade varchar(2),

EndDate char(8),

SectionID int,

StudentID int,

constraint pk\_EnrollID primary key (EnrollID),

constraint fk\_SectionID foreign key (SectionID) references Sections,

constraint fk\_StudentID foreign key (StudentID) references Students)

Graphical user interface, application

Description automatically generated