

Course: IST-659
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Homework #5
Due Date: 4/30/2020
Date Submitted: 5/6/2020
Topic: Lab05 – Physical Design and DDL

Part 1 – Creating Tables

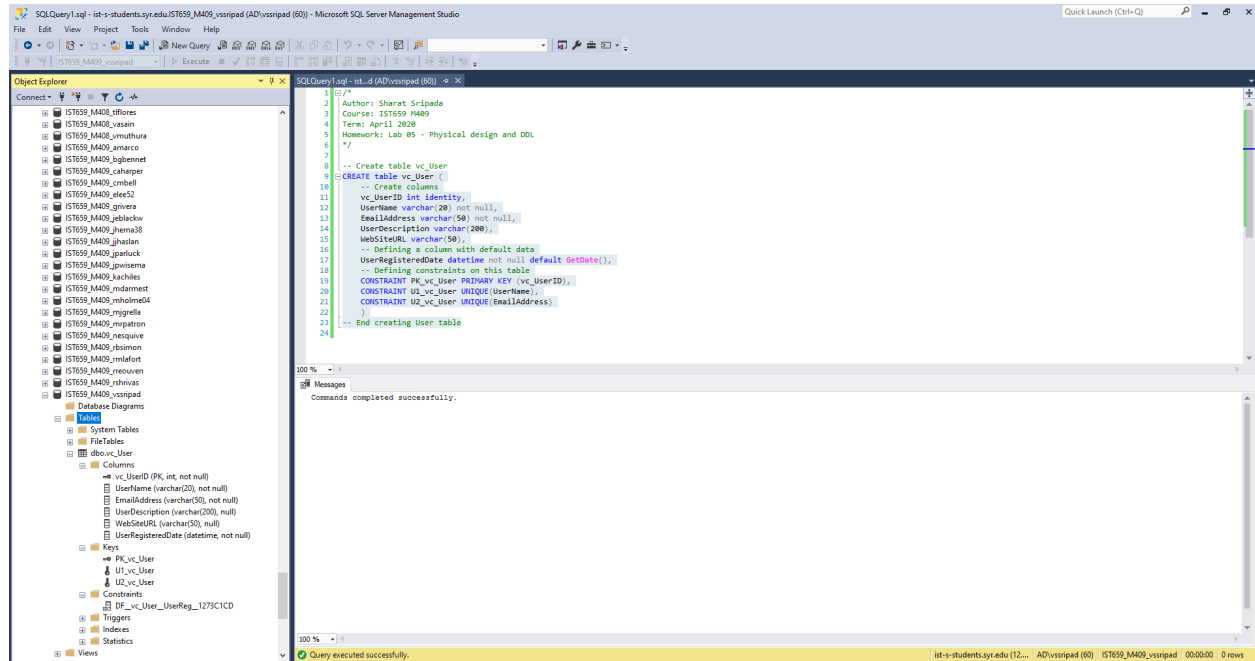


Fig: User Table

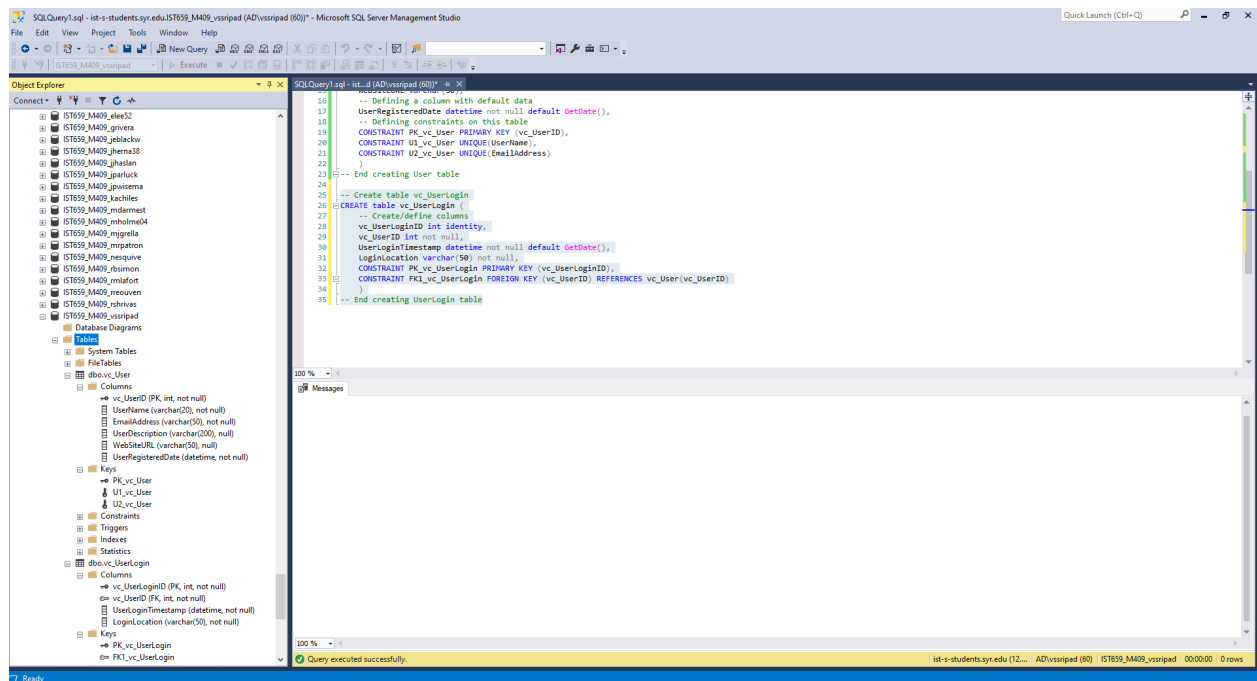


Fig: User Login Table

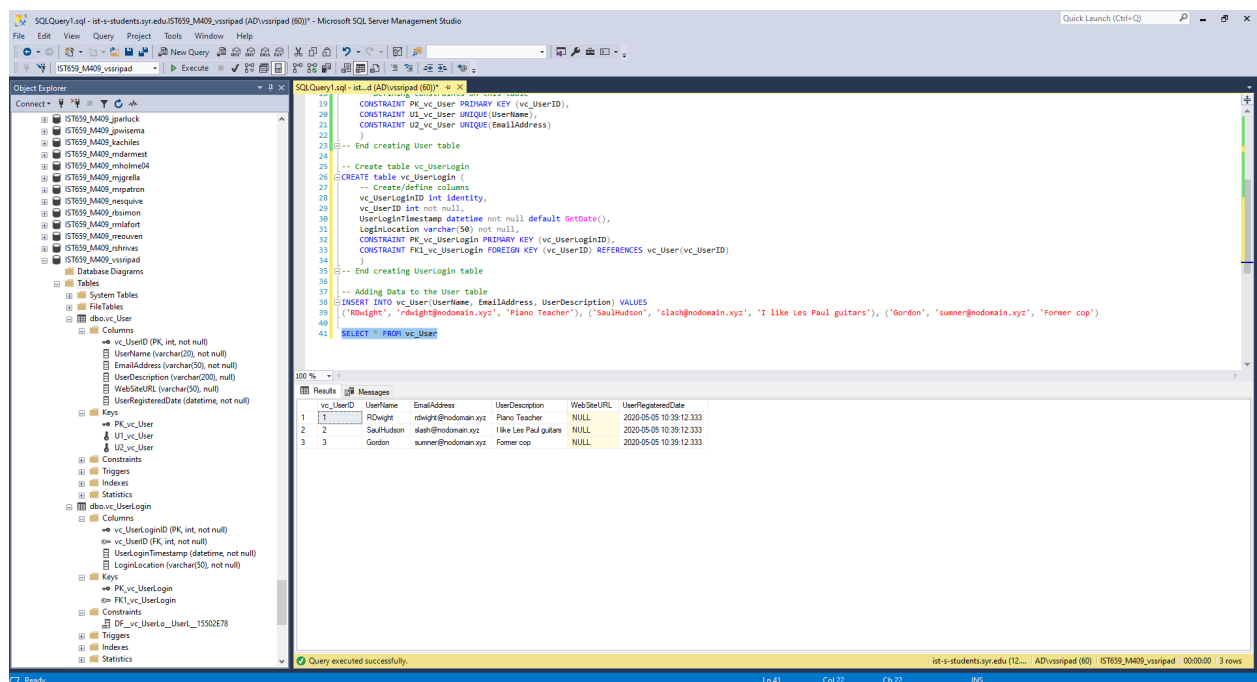


Fig: User Records

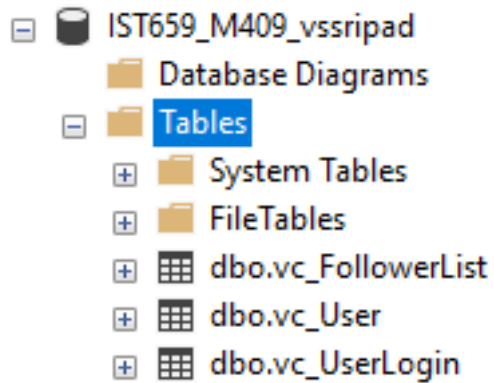


Fig: User Tables

Part 2 – The Rest of the tables

Here is the corresponding SQL code/syntax:

```
-- Part2 --
-- Create table vc_tag
CREATE TABLE vc_Tag (
    vc_TagID int identity,
    TagText varchar(20) not null,
    TagDescription varchar(100),
    CONSTRAINT PK_vc_TagID PRIMARY KEY (vc_TagID),
    CONSTRAINT U1_vc_TagText UNIQUE(TagText)
)

-- Create table vc_Status
CREATE TABLE vc_Status (
    vc_StatusID int identity,
    StatusText varchar(20),
    CONSTRAINT PK_vc_StatusID PRIMARY KEY (vc_StatusID),
    CONSTRAINT U1_vc_StatusText UNIQUE(StatusText)
)

-- Create table vc_VidCast
CREATE TABLE vc_VidCast (
    vc_VidCastID int identity,
    VidCastTitle varchar(50) not null,
    StartDateTime datetime,
    EndDateTime datetime,
    ScheduledDurationMinutes int,
    RecordingURL varchar(50),
    vc_UserID int,
    vc_StatusID int,
    CONSTRAINT PK_vc_VidCastID PRIMARY KEY (vc_VidCastID),
    CONSTRAINT FK1_vc_UserID FOREIGN KEY (vc_UserID) REFERENCES vc_User(vc_UserID),
    CONSTRAINT FK2_vc_StatusID FOREIGN KEY (vc_StatusID) REFERENCES
vc_Status(vc_StatusID)
)

-- Create table vc_VidCastTagList
CREATE TABLE vc_VidCastTagList (
    vc_VidCastTagListID int identity,
    vc_TagID int not null,
```

```

        vc_VidCastID int not null,
        CONSTRAINT PK_vc_VidCastTagListID PRIMARY KEY (vc_VidCastTagListID),
        CONSTRAINT FK1_vc_TagID FOREIGN KEY (vc_TagID) REFERENCES vc_Tag(vc_TagID),
        CONSTRAINT FK2_vc_VidCastID FOREIGN KEY (vc_VidCastID) REFERENCES
vc_Vidcast(vc_VidCastID),
        CONSTRAINT U1_TagVidCastID UNIQUE(vc_TagID, vc_VidCastID)
    )

-- Create table vc_UserTagList
CREATE TABLE vc_UserTagList (
    vc_UserTagListID int identity,
    vc_TagID int not null,
    vc_UserID int not null,
    CONSTRAINT PK_vc_UserTagListID PRIMARY KEY (vc_UserTagListID),
    -- Rename FKs since FK1_vc_TagID is already in the database.
    CONSTRAINT FK1_vc_new_TagID FOREIGN KEY (vc_TagID) REFERENCES vc_Tag(vc_TagID),
    CONSTRAINT FK2_vc_UserID FOREIGN KEY (vc_UserID) REFERENCES vc_User(vc_UserID),
    CONSTRAINT U1_TagUserID UNIQUE(vc_TagID, vc_UserID)
)

```

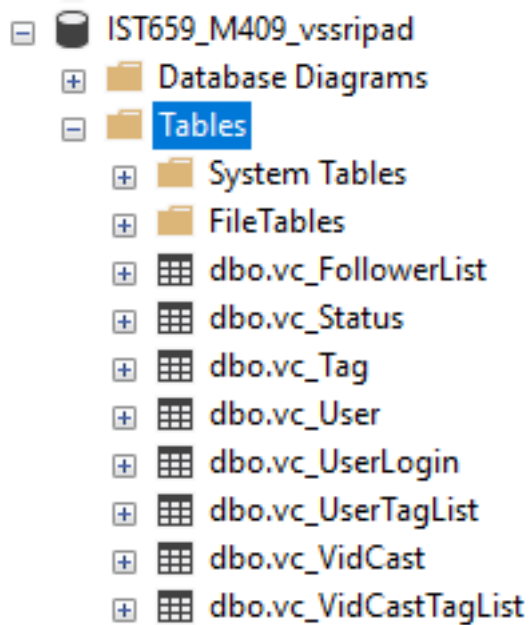


Fig: VidCast tables