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GRADED HOMEWORK NUMBER: **3**

COURSE: CS/DSA 4513 - DATABASE MANAGEMENT

SECTION: ONLINE

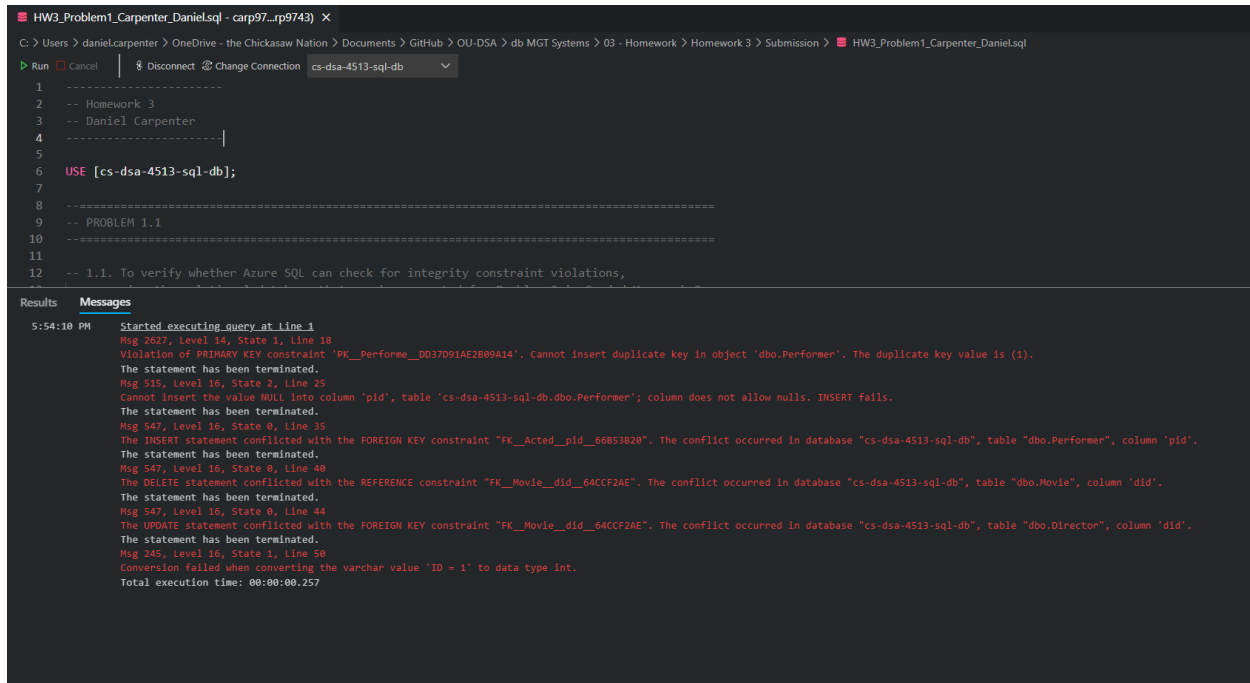
SEMESTER: FALL 2021

INSTRUCTOR: DR. LE GRUENWALD

SCORE:

Problem 1 b): The PDF file that shows the screenshots of the Azure SQL creation of the index and the Azure SQL execution of the SQL queries that you chose to rerun.

Please see the file for the code. It is too long to screenshot everything.



The screenshot shows a SQL Server Enterprise Manager window titled "HW3_Problem1_Carpenter_Daniel.sql - carp97...rp9743). The window displays a SQL script with the following content:

```
1  -----
2  -- Homework 3
3  -- Daniel Carpenter
4  -----
5
6  USE [cs-dsa-4513-sql-db];
7
8  -----
9  -- PROBLEM 1.1
10 -----
11
12 -- 1.1. To verify whether Azure SQL can check for integrity constraint violations,
```

The "Results" pane is empty, and the "Messages" pane shows the following error messages:

```
5:54:10 PM Started executing query at line 1
Msg 2627, Level 14, State 1, Line 18
Violation of PRIMARY KEY constraint 'PK_Performe__D037D91AE2B99A14'. Cannot insert duplicate key in object 'dbo.Performer'. The duplicate key value is (1).
The statement has been terminated.
Msg 515, Level 16, State 2, Line 25
Cannot insert the value NULL into column 'pid', table 'cs-dsa-4513-sql-db.dbo.Performer'; column does not allow nulls. INSERT fails.
The statement has been terminated.
Msg 547, Level 16, State 0, Line 35
The INSERT statement conflicted with the FOREIGN KEY constraint "FK_Acted_pid__66B53B20". The conflict occurred in database "cs-dsa-4513-sql-db", table "dbo.Performer", column 'pid'.
The statement has been terminated.
Msg 547, Level 16, State 0, Line 40
The DELETE statement conflicted with the REFERENCE constraint "FK_Movie_did__64CCF2AE". The conflict occurred in database "cs-dsa-4513-sql-db", table "dbo.Movie", column 'did'.
The statement has been terminated.
Msg 547, Level 16, State 0, Line 44
The UPDATE statement conflicted with the FOREIGN KEY constraint "FK_Movie_did__64CCF2AE". The conflict occurred in database "cs-dsa-4513-sql-db", table "dbo.Director", column 'did'.
The statement has been terminated.
Msg 245, Level 16, State 1, Line 50
Conversion failed when converting the varchar value 'ID = 1' to data type int.
Total execution time: 00:00:00.257
```