NAME: Nicholas Jacob STUDENT ID: # 113578513 GRADED HOMEWORK NUMBER: 3 COURSE: CS/DSA 4513 DATABASE MANAGEMENT SECTION: ONLINE

SEMESTER: FALL 2023 INSTRUCTOR: DR. LE GRUENWALD

SCORE:

1. Screenshots

```
| INSERT_INIO_Performer | (ptd.pname.years_of_experience,age) | VALUES | (1, 'Jacob',22,40) --the ptd 1 has already been used so I cannot add myself as the greatest preformer.
(a)
                                       76
77
78
79
80
81
82
83
                                                    LUES ('Jacob',22,40) -- I do not give myself a pid and that is not allowed
                     > = Ta

> = Vi

> = Sto

> • >
                                         Failed to execute query. Error: (arnot 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.
(b)
                78 Insert INTO Acted
79 Values
80 | (2,'Hitchhikers Guide to the Galaxy') --there is no movie Hitchhikers Guide to the Galaxy
81 | 82 |
                  Results Messages
(c)
                           (3, 'Fight Club'),
(4, 'Alien')
                      update.Acted
set manae - 'Hitchhikers Guide to the Galaxy'
where pid - 4
--I cannot update the acted table to a movie that does not exist in the movie table
```

Failed to execute query. Error: The UPDATE statement conflicted with the FOREIGN KEY constraint "FK_mmame". The conflict occurred in database "cs-dsa-4513-sql-db", table "dbo.Novie", column "mname The statement has been terminated.



2. I choose to index the Movie table on genre attribute. We had three queries that used genre so it was not a terrible option for indexing. It was a secondary index since mname was the primary index (and primary key).

