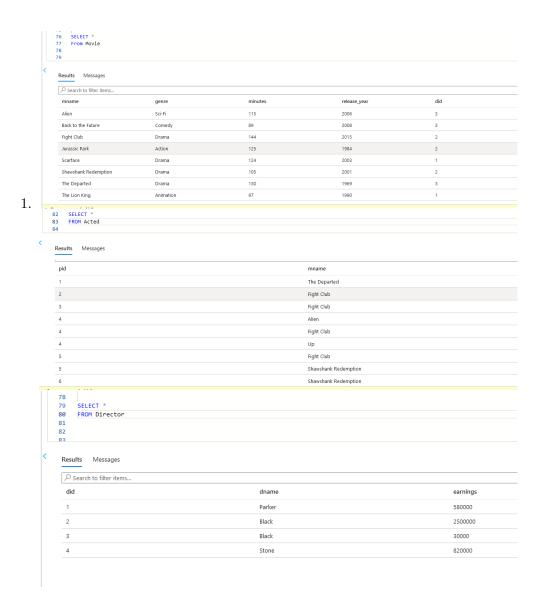
NAME: Nicholas Jacob STUDENT ID: # 113578513 GRADED HOMEWORK NUMBER: 2 COURSE: CS/DSA 4513 DATABASE MANAGEMENT SECTION: ONLINE

SEMESTER: FALL 2023 INSTRUCTOR: DR. LE GRUENWALD

SCORE:



```
78
79
80
81
82
83
     SELECT *
FROM Director
 Results Messages
 dname
                                                                                                earnings
                                                 Parker
                                                                                                580000
                                                 Black
                                                                                                2500000
                                                 Black
                                                                                                30000
                                                                                                820000
                                                 Stone
  89
          SELECT mname
  90
          FROM Movie
  91
          WHERE genre = 'Action'
   92
    Results
                Messages

∠ Search to filter items...

      mname
      Jurassic Park
95 Select genre,AVG(minutes) as avg_length_in_min
96 FROM Movie
97
     Group BY genre
98
Results Messages
 Search to filter items..
  genre
                                                                                       avg_length_in_min
  Action
                                                                                       125
  Animation
                                                                                       89
  Comedy
  Drama
                                                                                       125
  Sci-Fi
                                                                                       115
```

3.

2.

```
76
77
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84
85
86
            SELECT pname
FROM Performer
WHERE years_of_experience>20 and pid in(Select pid
From Acted
Where mname in (SELECT mname
FROM Movie
Where did in (SELECT did FROM Director Where dname = 'Black' )))
         Results Messages
          pname
          Morgan
4.
                      (3,'Fight Club'),
           73
           74
                       (4, 'Alien')
           75
           76
           77
           78
                 SELECT MAX(age) as max_age_Hanks_or_Departed
                 FROM Performer
           80
                WHERE pname = 'Hanks' or pid in (SELECT pid FROM Movie WHERE mname = 'The Departed')
           81
           82
           83
           84
           85
           86
           Results Messages
           max_age_Hanks_or_Departed
```

4

5.

```
76
                  77
                           (Select mname FROM Movie Where genre = 'Comedy')
                 78
                          union
                           (SELECT mname FROM Acted GROUP BY mname HAVING count(pid)>1)
                 79
                 80
                 81
                 82
                  83
                  84
                   Results Messages
                   Search to filter items...
                     mname
                     Back to the Future
                     Fight Club
                     Shawshank Redemption
6.
         76
77
78
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82
83
              SELECT Acted.pid, pname
FROM Acted, Performer, Movie
Where Acted.pid in (SELECT pid FROM Acted GROUP BY pid HAVING COUNT(*)>1) and Performer.pid = Acted.pid and Movie.mname = Acted.mname
GROUP BY pname, genre, Acted.pid
HAVING COUNT(*)>1
          Results Messages
          Search to filter items...
           pid
                                                                                                        pname
                                                                                                        Hanks
7.
         77
78
79
80
81
82
83
84
85
86
               UPDATE Director SET earnings = .9*earnings
Where did in ( SELECT did
From Movie
Where mname = 'Up')
                SELECT *
From Director
           Results Messages
           Search to filter items...
             did
                                                                              Parker
                                                                              Black
                                                                                                                                                30000
                                                                                                                                                738000
```

8.

```
77
78
79
80
81
82
83
84
                 |
| DELETE FROM Movie
| WHERE release_year <=1989 and release_year>=1970
                 SELECT *
FROM Movie
             Results Messages
            mname
                                                 genre
                                                                                                                       release_year
                                                 Sci-Fi
                                                                                    115
              Alien
                                                                                                                       2006
              Back to the Future
                                                                                    89
              Fight Club
                                                 Drama
                                                                                    144
                                                                                                                       2015
              Scarface
                                                Drama
                                                                                    124
                                                                                                                       2003
              Shawshank Redemption
                                                 Drama
                                                                                    105
                                                                                                                       2001
              The Departed
                                                 Drama
                                                                                    130
                                                 Animation
                                                                                    97
              Up
                                                 Animation
                                                                                    111
                                                                                                                       1999
9. Query succeeded | 0s
```

6