Answer Sheet for COMP1004 Lab Week 4

Name: Andrew Brashich   ID:20150084

Please provide your SQL Code for Exercises 1-15 described above.

OUTPUT for Exercise 1 [0.5 marks] SELECT * FROM Movie WHERE mvGenre='Adventure';

```
+------+-------+----------------+---------+--------+-----------+-------------+
| mvID | actID | mvTitle        | mvPrice | mvYear | mvGenre   | mvNumScenes |
+------+-------+----------------+---------+--------+-----------+-------------+
|    2 |     2 | Black Snake Moan|   9.99 |   2007 | Adventure |        NULL |
|    7 |     6 | The Jungle book |   9.99 |   2015 | Adventure |        NULL |
|    9 |     7 | Coming to Europe|  12.99 |   2001 | Adventure |        NULL |
+------+-------+----------------+---------+--------+-----------+-------------+
```

OUTPUT for Exercise 2[0.5 marks] SELECT * FROM Movie WHERE mvPrice < 10.00;

```
+------+-------+----------------+---------+--------+-----------+-------------+
| mvID | actID | mvTitle        | mvPrice | mvYear | mvGenre   | mvNumScenes |
+------+-------+----------------+---------+--------+-----------+-------------+
|    2 |     2 | Black Snake Moan|   9.99 |   2007 | Adventure |        NULL |
|    3 |     1 | Snake on a Plane|   9.99 |   2011 | Comedy    |        NULL |
|    4 |     3 | Freeway of Love |   9.99 |   2018 | Drama     |        NULL |
|    7 |     6 | The Jungle book |   9.99 |   2015 | Adventure |        NULL |
|    8 |     7 | Infinity War    |    8.5 |   1975 | Horror    |        NULL |
+------+-------+----------------+---------+--------+-----------+-------------+
```

OUTPUT for Exercise 3 [0.5 marks]

SELECT * FROM Movie WHERE (mvPrice > 10.00) OR (mvGenre = 'Drama');

```
+------+-------+----------------------------+---------+--------+-----------+-------------+
| mvID | actID | mvTitle                    | mvPrice | mvYear | mvGenre   | mvNumScenes |
+------+-------+----------------------------+---------+--------+-----------+-------------+
|    1 |     2 | Die hard with a Vengeance  |   12.24 |   1999 | Action    |        NULL |
|    4 |     3 | Freeway of Love            |    9.99 |   2018 | Drama     |        NULL |
|    5 |     4 | I knew you were waiting for me| 12.25 | 1997 | Comedy    |        NULL |
|    6 |     5 | The Black Panther          |   10.99 |   2018 | Action    |        NULL |
|    9 |     7 | Coming to Europe           |   12.99 |   2001 | Adventure |        NULL |
|   10 |     8 | The midnight               |   10.99 |   2019 | Drama     |        NULL |
+------+-------+----------------------------+---------+--------+-----------+-------------+
```

OUTPUT for Exercise 4 [0.5 marks]

SELECT * FROM Movie WHERE (mvYear >= 2000) AND (mvYear <=2019);

```
+------+-------+----------------+---------+--------+-----------+-------------+
| mvID | actID | mvTitle        | mvPrice | mvYear | mvGenre   | mvNumScenes |
+------+-------+----------------+---------+--------+-----------+-------------+
|    2 |     2 | Black Snake Moan|   9.99 |   2007 | Adventure |        NULL |
|    3 |     1 | Snake on a Plane|   9.99 |   2011 | Comedy    |        NULL |
|    4 |     3 | Freeway of Love |   9.99 |   2018 | Drama     |        NULL |
|    6 |     5 | The Black Panther|  10.99 |   2018 | Action    |        NULL |
|    7 |     6 | The Jungle book |   9.99 |   2015 | Adventure |        NULL |
|    9 |     7 | Coming to Europe|  12.99 |   2001 | Adventure |        NULL |
|   10 |     8 | The midnight    |  10.99 |   2019 | Drama     |        NULL |
+------+-------+----------------+---------+--------+-----------+-------------+
```

OUTPUT for Exercise 5 [0.5 marks]

SELECT * FROM Movie WHERE (mvPrice < 10.00) AND ((mvGenre = 'Action') OR (mvGenre = 'Adventure'));

```
+------+-------+----------------+---------+--------+-----------+-------------+
| mvID | actID | mvTitle        | mvPrice | mvYear | mvGenre   | mvNumScenes |
+------+-------+----------------+---------+--------+-----------+-------------+
|    2 |     2 | Black Snake Moan |  9.99 |   2007 | Adventure |        NULL |
|    7 |     6 | The Jungle book  |  9.99 |   2015 | Adventure |        NULL |
+------+-------+----------------+---------+--------+-----------+-------------+
```

OUTPUT for Exercise 6 [0.5 marks]

SELECT * FROM Actor, Movie WHERE Actor.actID = Movie.actID;

```
+-------+------------------+------+-------+-----------------------------+---------+--------+-----------+-------------+
| actID | actName          | mvID | actID | mvTitle                     | mvPrice | mvYear | mvGenre   | mvNumScenes |
+-------+------------------+------+-------+-----------------------------+---------+--------+-----------+-------------+
|     2 | Barry Nelson     |    1 |     2 | Die hard with a Vengeance   |   12.24 |   1999 | Action    |        NULL |
|     2 | Barry Nelson     |    2 |     2 | Black Snake Moan            |    9.99 |   2007 | Adventure |        NULL |
|     1 | Arethan Franklin |    3 |     1 | Snake on a Plane            |    9.99 |   2011 | Comedy    |        NULL |
|     3 | Bullet Prakash   |    4 |     3 | Freeway of Love             |    9.99 |   2018 | Drama     |        NULL |
|     4 | Daniel Craig     |    5 |     4 | I knew you were waiting for me | 12.25 |  1997 | Comedy    |        NULL |
|     5 | James Bond       |    6 |     5 | The Black Panther           |   10.99 |   2018 | Action    |        NULL |
|     6 | Jonny Walker     |    7 |     6 | The Jungle book             |    9.99 |   2015 | Adventure |        NULL |
|     7 | Laura Dern       |    8 |     7 | Infinity War                |     8.5 |   1975 | Horror    |        NULL |
|     7 | Laura Dern       |    9 |     7 | Coming to Europe            |   12.99 |   2001 | Adventure |        NULL |
|     8 | Mr. Ryan Reynolds |  10 |     8 | The midnight                |   10.99 |   2019 | Drama     |        NULL |
+-------+------------------+------+-------+-----------------------------+---------+--------+-----------+-------------+
```

OUTPUT for Exercise 7 [0.5 marks]

SELECT * FROM Actor, Movie WHERE (Actor.actID = Movie.actID) AND (actName = ' Barry Nelson');

```
+---------------------------+
| mvTitle                   |
+---------------------------+
| Die hard with a Vengeance |
| Black Snake Moan          |
+---------------------------+
```
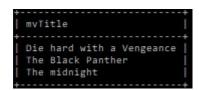
OUTPUT for Exercise 8 [0.5 marks]

SELECT * FROM Movie WHERE mvGenre = (SELECT mvGenre FROM Movie WHERE mvTitle = 'Snakes on a Plane);

```
+------+-------+-----------------------------+---------+--------+---------+-------------+
| mvID | actID | mvTitle                     | mvPrice | mvYear | mvGenre | mvNumScenes |
+------+-------+-----------------------------+---------+--------+---------+-------------+
|    3 |     1 | Snake on a Plane            |    9.99 |   2011 | Comedy  |        NULL |
|    5 |     4 | I knew you were waiting for me | 12.25 | 1997 | Comedy  |        NULL |
+------+-------+-----------------------------+---------+--------+---------+-------------+
```

 OUTPUT for Exercise 9 [0.5 marks]

SELECT mvTitle FROM Movie WHERE mvPrice IN (SELECT mvPrice FROM Movie, Actor WHERE Actor.actID = Movie.actID AND mvGenre = 'Action');

```
+---------------------------+
| mvTitle                   |
+---------------------------+
| Die hard with a Vengeance |
| The Black Panther         |
| The midnight              |
+---------------------------+
```

OUTPUT for Exercise 10 [0.5 marks]

SELECT mvTitle FROM Movie WHERE mvPrice > ANY (SELECT mvPrice FROM Movie);

```
+--------------------------------+
| mvTitle                        |
+--------------------------------+
| Die hard with a Vengeance      |
| Black Snake Moan                |
| Snake on a Plane                |
| Freeway of Love                 |
| I knew you were waiting for me |
| The Black Panther               |
| The Jungle book                 |
| Coming to Europe                |
| The midnight                    |
+--------------------------------+
```

OUTPUT for Exercise 11 [0.5 marks]

SELECT mvTitle FROM Movie WHERE mvPrice >= ALL (SELECT mvPrice FROM Movie);

```
+-----------------+
| mvTitle         |
+-----------------+
| Coming to Europe|
+-----------------+
```

OUTPUT for Exercise 12 [0.5 marks]

SELECT actName FROM Actor WHERE EXISTS (SELECT * FROM Movie WHERE Movie.actID = Actor.actID AND mvGenre = 'Drama');

```
+-------------------+
| actName           |
+-------------------+
| Bullet Prakash    |
| Mr. Ryan Reynolds |
+-------------------+
```

OUTPUT for Exercise 13 [0.5 marks]

SELECT actName FROM Actor WHERE EXISTS (SELECT * FROM Movie WHERE Movie.actID = Actor.actID AND mvPrice < 10.00);

```
+------------------+
| actName          |
+------------------+
| Arethan Franklin |
| Barry Nelson     |
| Bullet Prakash   |
| Jonny Walker     |
| Laura Dern       |
+------------------+
```

OUTPUT for Exercise 14 [0.5 marks]

SELECT mvTitle FROM Movie, Actor WHERE Actor.actID = Movie.actID AND actName LIKE "B%";

```
+---------------------------+
| mvTitle                   |
+---------------------------+
| Die hard with a Vengeance |
| Black Snake Moan          |
| Freeway of Love           |
+---------------------------+
```

OUTPUT for Exercise 15 [0.5 marks]

SELECT * FROM Movie, Actor WHERE NOT mvGenre = 'Drama' AND mvPrice < 9.00 AND Actor.actID = Movie.actID;

mvID	actID	mvTitle	mvPrice	mvYear	mvGenre	mvNumScenes	actID	actName
8	7	Infinity War	8.5	1975	Horror	NULL	7	Laura Dern