

Katie Stevens

CPSC 321 – Database Management Systems

HW7

11/11/21

### Part 1

1.

a)

```
+-----+-----+
| AVG(gdp) | AVG(inflation) |
+-----+-----+
| 34915.2500 | 4.050000011920929 |
+-----+-----+
1 row in set (0.17 sec)
```

b)

```
+-----+-----+
| AVG(area) | SUM(area) |
+-----+-----+
| 22614.0000 | 45228 |
+-----+-----+
1 row in set (0.00 sec)
```

c)

```
+-----+
| AVG(C1.population) |
+-----+
| 356937.1667 |
+-----+
1 row in set (0.00 sec)
```

d)

```
+-----+
| SUM(C1.population) |
+-----+
|           1729966 |
+-----+
1 row in set (0.00 sec)
```

e)

```
+-----+
| AVG(C1.population) |
+-----+
|       190160.5000 |
+-----+
1 row in set (0.00 sec)
```

f)

```
+-----+-----+
| COUNT(*) | AVG(border_length) |
+-----+-----+
|         2 |          1221.0000 |
+-----+-----+
1 row in set (0.00 sec)
```

g)

```
Query OK, 0 rows affected (0.10 sec)
```

h)

```
+-----+
| COUNT(*) |
+-----+
|          1 |
+-----+
1 row in set (0.00 sec)
```

i)

```
+-----+-----+-----+-----+-----+-----+
| country_code | inflation | gdp   | country_code | inflation | gdp   |
+-----+-----+-----+-----+-----+-----+
| PL           | 2.1       | 33321 | UA           | 7.9       | 12810 |
| RU           | 4.4       | 31000 | UA           | 7.9       | 12810 |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

j)

```
+-----+-----+-----+-----+
| city_name   | population | province_name | country_name |
+-----+-----+-----+-----+
| Krakow      | 779966    | Lesser Poland | Poland       |
| Gdansk      | 475000    | Pomerania     | Poland       |
| Kaliningrad | 475000    | Kaliningrad Oblast | Russia      |
| Kahului     | 31336     | Hawaii        | United States of America |
| Kihei       | 31336     | Hawaii        | United States of America |
| Honolulu    | 348985    | Hawaii        | United States of America |
+-----+-----+-----+-----+
6 rows in set (0.01 sec)
```

2.

a)

title	rating	rental_rate
ACE GOLDFINGER	G	4.99
AUTUMN CROW	G	4.99
BEAUTY GREASE	G	4.99
BIRD INDEPENDENCE	G	4.99
BIRDS PERDITION	G	4.99
BREAKFAST GOLDFINGER	G	4.99
CASABLANCA SUPER	G	4.99
CASUALTIES ENCINO	G	4.99
CAT CONEHEADS	G	4.99
CHISUM BEHAVIOR	G	4.99
CLERKS ANGELS	G	4.99
COLDBLOODED DARLING	G	4.99
CONQUERER NUTS	G	4.99
CONTROL ANTHEM	G	4.99
DADDY PITTSBURGH	G	4.99
DAISY MENAGERIE	G	4.99
DARN FORRESTER	G	4.99
DAY UNFAITHFUL	G	4.99
DAZED PUNK	G	4.99

b)

customer_id	first_name	last_name	SUM(p.amount)
1	MARY	SMITH	118.68
2	PATRICIA	JOHNSON	128.73
3	LINDA	WILLIAMS	135.74
4	BARBARA	JONES	81.78
5	ELIZABETH	BROWN	144.62
6	JENNIFER	DAVIS	93.72
7	MARIA	MILLER	151.67
8	SUSAN	WILSON	92.76
9	MARGARET	MOORE	89.77
10	DOROTHY	TAYLOR	99.75
11	LISA	ANDERSON	106.76
12	NANCY	THOMAS	103.72
13	KAREN	JACKSON	131.73
14	BETTY	WHITE	117.72
15	HELEN	HARRIS	134.68

c)

actor_id	first_name	last_name	COUNT(*)
1	PENELOPE	GUINNESS	19
2	NICK	WAHLBERG	25
3	ED	CHASE	22
4	JENNIFER	DAVIS	22
5	JOHNNY	LOLLOBRIGIDA	29
6	BETTE	NICHOLSON	20
7	GRACE	MOSTEL	30
8	MATTHEW	JOHANSSON	20
9	JOE	SWANK	25
10	CHRISTIAN	GABLE	22
11	ZERO	CAGE	25
12	KARL	BERRY	31
13	UMA	WOOD	35
14	VIVIEN	BERGEN	30
15	CUBA	OLIVIER	28

15 rows in set (0.00 sec)

d)

title	name
AMADEUS HOLY	Action
AMERICAN CIRCUS	Action
ANTITRUST TOMATOES	Action
ARK RIDGEMONT	Action
BAREFOOT MANCHURIAN	Action
BERETS AGENT	Action
BRIDE INTRIGUE	Action
BULL SHAWSHANK	Action
CADDYSHACK JEDI	Action
CAMPUS REMEMBER	Action
CASUALTIES ENCINO	Action
CELEBRITY HORN	Action
CLUELESS BUCKET	Action
CROW GREASE	Action
DANCES NONE	Action
DARKO DORADO	Action
DARN FORRESTER	Action
DEVIL DESIRE	Action
DRAGON SQUAD	Action
DREAM PICKUP	Action
DRIFTER COMMANDMENTS	Action

e)

first_name	last_name	customer_id	first_name	last_name	amount
Mike	Hillyer	1	MARY	SMITH	0.99
Mike	Hillyer	1	MARY	SMITH	0.99
Mike	Hillyer	1	MARY	SMITH	0.99
Mike	Hillyer	1	MARY	SMITH	0.99
Mike	Hillyer	1	MARY	SMITH	0.99
Mike	Hillyer	1	MARY	SMITH	1.99
Mike	Hillyer	2	PATRICIA	JOHNSON	0.99
Mike	Hillyer	2	PATRICIA	JOHNSON	0.99
Mike	Hillyer	3	LINDA	WILLIAMS	1.99
Mike	Hillyer	3	LINDA	WILLIAMS	1.99
Mike	Hillyer	4	BARBARA	JONES	0.99
Mike	Hillyer	5	ELIZABETH	BROWN	0.99
Mike	Hillyer	5	ELIZABETH	BROWN	1.99
Mike	Hillyer	5	ELIZABETH	BROWN	1.99
Mike	Hillyer	5	ELIZABETH	BROWN	0.99

Part 2.

a)

player_id	first_name	last_name	COUNT(*)
1	Katie	Stevens	4
2	Kimberlee	Ung	4
3	Sami	Blevens	3
4	Hannah	Dunn	1

4 rows in set (0.00 sec)

b)

song_id	artist	song_title
7	Artic Monkeys	Arabella
8	Artic Monkeys	R U Mine?
6	Carrie Underwood	Before He Cheats
13	Carrie Underwood	Cowboy Casanova
12	Glass Animals	Heat Waves
9	Halestorm	I Miss the Misery
10	Little Big Town	Little White Church
14	Milky Chance	Stolen Dance
1	My Chemical Romance	Teenagers
2	Paramore	Still Into You
3	Queen	Killer Queen
4	Sublime	Santeria
5	The Killers	Mr. Brightside
11	The Killers	Somebody Told Me
15	Wheatus	Teenage Dirtbag

15 rows in set (0.00 sec)

c)

```
+-----+
| COUNT(*) * 2.00 |
+-----+
|          20.00 |
+-----+
1 row in set (0.00 sec)
```

d)

```
+-----+-----+
| genre          | AVG(length) |
+-----+-----+
| Alternative     | 244.6667    |
| Classic Rock   | 181.0000    |
| Country        | 211.6667    |
| Emo            | 161.0000    |
| Pop-Rock       | 213.0000    |
| Reggae         | 191.0000    |
| Rock           | 218.2000    |
+-----+-----+
7 rows in set (0.00 sec)
```



e)

```
+-----+  
| genre |  
+-----+  
| Rock |  
| Alternative |  
| Country |  
| Emo |  
| Pop-Rock |  
| Classic Rock |  
| Reggae |  
+-----+  
7 rows in set (0.00 sec)
```