***Matthew Abraham***

**ANSWER SHEET**

**Assignment #2: SQL Part 1 - Getting Data out of the Database**

| **Question** | | **SQL Query** | **Results/Answer from MySQL Workbench** |
| --- | --- | --- | --- |
| 1 | What are the address and phone numbers for address in the district of California and a postal code with a numeric value lower than 20000? | SELECT address, phone  FROM moviedb.address  WHERE district = 'California' AND postal\_code < 20000; | 1121 Loja Avenue 838635286649  226 Brest Manor 785881412500  533 al-Ayn Boulevard 662227486184  770 Bydgoszcz Avenue 517338314235 | |
| 2 | What are the three most popular first name among the actors in the database? (Assume no ties) | SELECT first\_name, COUNT(first\_name)  FROM moviedb.actor  GROUP BY first\_name  ORDER BY COUNT(first\_name) DESC  LIMIT 3; | |  |  | | --- | --- | | KENNETH | 4 | | PENELOPE | 4 | | JULIA | 4 | | |
| 3 | Display all rental rates of movies (without repetition) in the database | SELECT DISTINCT rental\_rate  FROM moviedb.film | |  | | --- | | 0.99 | | 4.99 | | 2.99 | | |
| 4 | You want to find out if movies in different languages command higher rental rate than others. Determine the average rental rate for movies, organized by their language\_id. Sort your output so that language\_id values are shown in a nice predictable order from lowest to highest. | SELECT language\_id, AVG(rental\_rate)  FROM moviedb.film  GROUP BY language\_id | 1 2.990000  3 1.990000  4 2.883333  5 2.990000 | |
| 5 | How many PG rating movies mention ‘of’ in their description? | SELECT COUNT(\*)  FROM moviedb.film  WHERE rating = 'PG' AND description LIKE '% of %' | 194 | |
| 6 | How many customers using store 1 have first name “Kelly”? | SELECT COUNT(\*)  FROM moviedb.customer  WHERE store\_id = 1 AND first\_name = 'Kelly' | 2 | |
| 7 | For different film ratings (i.e., G, PG, R, NC-17), which film rating has the highest average rental rate? | SELECT rating, AVG(rental\_rate)  FROM moviedb.film  GROUP BY rating  ORDER BY AVG(rental\_rate) DESC  LIMIT 1 | |  |  | | --- | --- | | PG | 3.051856 | | |
| 8 | Return the first five unique first name of customers which starts with a letter “S” based on alphabetical order. | SELECT DISTINCT first\_name  FROM moviedb.customer  WHERE first\_name LIKE 'S%'  ORDER BY first\_name  LIMIT 5 | |  | | --- | | SALLY | | SALVADOR | | SAM | | SAMANTHA | | SAMUEL | | |