**In-Class Exercise: SQL (SOLUTION)**

1. Which actors have the first name of “Nick”?

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| **SELECT actor.first\_name, actor.last\_name** **FROM moviedb.actor** **WHERE actor.first\_name='Nick';** | **Nick Wahlberg****Nick Stallone****Nick Degeneres** |

1. How many G movies are in the database?

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| **SELECT COUNT(\*) FROM moviedb.Film WHERE film.rating='G';** | **178** |

1. What is the length of the film “Apollo Teen”

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| **SELECT film.length** **FROM moviedb.Film** **WHERE film.title='Apollo Teen';** | **153** |

1. How many customers are the in the movie database?

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| **SELECT COUNT(DISTINCT customer.customer\_id)** **FROM moviedb.customer;** | **599** |

1. Are R movies, on average, longer than PG movies? Prove it!

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| **SELECT film.rating, AVG(film.length) FROM moviedb.film GROUP BY film.rating;** | **Yes. PG = 112 minutes versus R = 118 minutes** |

1. How many movies are in English?

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| **SELECT COUNT(\*) FROM moviedb.film, moviedb.`language` WHERE film.language\_id = `language`.language\_id****AND `language`.`name`='English';** | **887** |

1. In which films did Bob Fawcett star?
(create a query to get them all, but only list the first five)

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| **SELECT film.title FROM moviedb.actor, moviedb.film, moviedb.film\_actor WHERE****actor.actor\_id = film\_actor.actor\_id AND film.film\_id = film\_actor.film\_id****AND actor.first\_name='Bob' AND actor.last\_name='Fawcett';** | **ACE GOLDFINGER,ADAPTATION HOLES,****CHINATOWN GLADIATOR,****CIRCUS YOUTH,****CONTROL ANTHEM** |

1. How many movies has the customer Melissa King rented?

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| **SELECT COUNT(\*) FROM moviedb.customer, moviedb.rental****WHERE rental.customer\_id = customer.customer\_id****AND customer.first\_name = 'Melissa'** **AND customer.last\_name = 'King';** | **34** |

**FOR AN EXTRA CHALLENGE!**

How many customers have a first name that starts with ‘W’?

Two hints:

1. You can use LIKE with a WHERE clause, like this:

SELECT *fieldname* FROM *tablename* WHERE *fieldname* LIKE *value*

LIKE looks for close matches, not exact ones like = does.
2. You can use % as a wildcard value. So LIKE ‘ap%’ will match with “apple,” “application,” “apex,” etc.

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| **SELECT COUNT(customer.first\_name)** **FROM moviedb.customer** **WHERE customer.first\_name LIKE 'w%';** | **13** |