1. Return the categories (names) of the longest film. NOTE that there may be several "longest"

films (i.e. with the same length), so you might need to return more than one category. Return

the duration as well.

Ans:

mysql> select title,category,max(length) from film\_list group by category;

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| title | category | max(length) |

+----------------------+-------------+-------------+

| ACADEMY DINOSAUR | Documentary | 183 |

| ACE GOLDFINGER | Horror | 181 |

| AFRICAN EGG | Family | 184 |

| AGENT TRUMAN | Foreign | 184 |

| AIRPLANE SIERRA | Comedy | 185 |

| ALADDIN CALENDAR | Sports | 184 |

| ALASKA PHANTOM | Music | 185 |

| ALICE FANTASIA | Classics | 184 |

| ALTER VICTORY | Animation | 185 |

| AMADEUS HOLY | Action | 185 |

| AMISTAD MIDSUMMER | New | 183 |

| ANNIE IDENTITY | Sci-Fi | 185 |

| APOLLO TEEN | Drama | 181 |

| ARSENIC INDEPENDENCE | Travel | 185 |

| AUTUMN CROW | Games | 185 |

| BACKLASH UNDEFEATED | Children | 178 |

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16 rows in set, 1 warning (0.09 sec)

2. Find the movies whose total number of actors is above the average. Return the movie names

and its number of actors ordered by the title. IMPORTANT NOTE: this query should return many

movies. Please write in your submission only the first TOP-10 results.

Ans:

mysql> create view actor\_count as select count(film\_actor.actor\_id) as actor\_cnt,film\_actor.film\_id,film.title from film\_actor,film where film\_actor.film\_id = film.film\_id group by film\_id order by title;

mysql> create view avg\_actor as select round(avg(actor\_cnt))as actor\_avg from actor\_count;

mysql> select actor\_count.title,actor\_count.actor\_cnt,avg\_actor.actor\_avg from actor\_count,avg\_actor where actor\_count.actor\_cnt > avg\_actor.actor\_avg limit 10;

+---------------------+-----------+-----------+

| title | actor\_cnt | actor\_avg |

+---------------------+-----------+-----------+

| ACADEMY DINOSAUR | 10 | 5 |

| AGENT TRUMAN | 7 | 5 |

| ALABAMA DEVIL | 9 | 5 |

| ALADDIN CALENDAR | 8 | 5 |

| ALASKA PHANTOM | 7 | 5 |

| ALIEN CENTER | 6 | 5 |

| ALONE TRIP | 8 | 5 |

| AMADEUS HOLY | 6 | 5 |

| AMELIE HELLFIGHTERS | 6 | 5 |

| ANGELS LIFE | 9 | 5 |

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10 rows in set (0.07 sec)