**Assignment No. 27.1**

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.

mysql> **select** max(length) **from** film;

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

| max(length) |+-------------+| 185 |

1 row in set (0.00 sec)

mysql> **select** category.name, length **from** category, film, film\_category **where** film\_category.film\_id = film.film\_id **and** film\_category.category\_id = category.category\_id **and** film.length = 185;

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

| name | length |

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

| Games | 185 |

| Comedy | 185 |

| Action | 185 |

| Animation | 185 |

| Music | 185 |

| Travel | 185 |

| Animation | 185 |

| Sci-Fi | 185 |

| Travel | 185 |

| Action | 185 |

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

10 rows in set (0.00 sec)

mysql> select category.name, length from category, film, film\_category where film\_category.film\_id = film.film\_id and film\_category.category\_id = category.category\_id and film.length IN (select max(length) from film);

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

| name | length |

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

| Action | 185 |

| Action | 185 |

| Animation | 185 |

| Animation | 185 |

| Comedy | 185 |

| Games | 185 |

| Music | 185 |

| Sci-Fi | 185 |

| Travel | 185 |

| Travel | 185 |

10 rows in set (0.00 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.

mysql> **create** **view** film\_no\_actors **AS** (select title, count(actor\_id) **AS** numact from film **inner** **join** film\_actor **on** film.film\_id = film\_actor.film\_id **group** **by** film.film\_id);

Query OK, 0 rows affected (0.11 sec)

mysql> **select** \* **from** film\_no\_actors **limit** 6;

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

| title | numact |

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

| ACADEMY DINOSAUR | 10 |

| ACE GOLDFINGER | 4 |

| ADAPTATION HOLES | 5 |

| AFFAIR PREJUDICE | 5 |

| AFRICAN EGG | 5 |

| AGENT TRUMAN | 7 |

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

6 rows in set (0.01 sec)

mysql> **select** **avg**(numact) **from** film\_no\_actors;

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

| avg(numact) |

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

| 5.4784 |

mysql> **select** title, numact from film\_no\_actors **where** numact **>** (**select** avg(numact) **from** film\_no\_actors) **order** by title **limit** 10;

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

| title | numact |

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

| ACADEMY DINOSAUR | 10 |

| AGENT TRUMAN | 7 |

| ALABAMA DEVIL | 9 |

| ALADDIN CALENDAR | 8 |

| ALASKA PHANTOM | 7 |

| ALIEN CENTER | 6 |

| ALONE TRIP | 8 |

| AMADEUS HOLY | 6 |

| AMELIE HELLFIGHTERS | 6 |

| ANGELS LIFE | 9 |

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

10 rows in set (0.01 sec)