```
MariaDB [cpsc321]> source hw7.sql
Question 1:
+---------+--------------------+--------+
| film_id | title              | length |
+---------+--------------------+--------+
|     141 | CHICAGO NORTH      |    185 |
|     182 | CONTROL ANTHEM     |    185 |
|     212 | DARN FORRESTER     |    185 |
|     349 | GANGS PRIDE        |    185 |
|     426 | HOME PITY          |    185 |
|     609 | MUSCLE BRIGHT      |    185 |
|     690 | POND SEATTLE       |    185 |
|     817 | SOLDIERS EVOLUTION |    185 |
|     872 | SWEET BROTHERHOOD  |    185 |
|     991 | WORST BANGER       |    185 |
+---------+--------------------+--------+
10 rows in set (0.000 sec)

Question 2:
+---------+----------------+--------+
| film_id | title          | length |
+---------+----------------+--------+
|     182 | CONTROL ANTHEM |    185 |
|     212 | DARN FORRESTER |    185 |
|     609 | MUSCLE BRIGHT  |    185 |
+---------+----------------+--------+
3 rows in set (0.000 sec)

Question 3:
+------------+-----------+
| first_name | last_name |
+------------+-----------+
| JANE       | JACKMAN   |
+------------+-----------+
1 row in set (0.000 sec)

Question 4:
+--------+----------+
| name   | COUNT(*) |
+--------+----------+
| Action |       18 |
+--------+----------+
1 row in set (0.000 sec)
```

Question 5:

| title | COUNT(*) |
| --- | --- |
| BUCKET BROTHERHOOD | 34 |
| GRIT CLOCKWORK | 32 |
| RUSH GOODFELLAS | 31 |
| GOODFELLAS SALUTE | 31 |
| GRAFFITI LOVE | 30 |
| FROST HEAD | 30 |
| SUSPECTS QUILLS | 30 |
| MOON BUNCH | 29 |
| TALENTED HOMICIDE | 29 |
| TITANS JERK | 29 |
| EXPENDABLE STALLION | 28 |
| FATAL HAUNTED | 28 |
| TELEGRAPH VOYAGE | 27 |
| RANGE MOONWALKER | 27 |
| MOVIE SHAKESPEARE | 27 |
| BLACKOUT PRIVATE | 27 |
| INVASION CYCLONE | 27 |
| ALASKA PHANTOM | 26 |
| PELICAN COMFORTS | 26 |
| NIGHTMARE CHILL | 25 |
| EFFECT GLADIATOR | 25 |
| MALLRATS UNITED | 25 |
| OSCAR GOLD | 25 |
| TRADING PINOCCHIO | 25 |
| LOLA AGENT | 24 |
| HORN WORKING | 24 |
| HURRICANE AFFAIR | 24 |
| WEDDING APOLLO | 24 |
| MOCKINGBIRD HOLLYWOOD | 24 |
| SLUMS DUCK | 24 |
| MAIDEN HOME | 24 |
| CENTER DINOSAUR | 24 |
| BOUND CHEAPER | 24 |
| OTHERS SOUP | 23 |
| FOOL MOCKINGBIRD | 23 |
| ACADEMY DINOSAUR | 23 |
| TROUBLE DATE | 23 |
| CARRIE BUNCH | 23 |
| MURDER ANTITRUST | 23 |
| PATTON INTERVIEW | 23 |
| QUEEN LUKE | 22 |
| CHICKEN HELLFIGHTERS | 22 |
| SEA VIRGIN | 22 |
| CHILL LUCK | 22 |
| SNATCH SLIPPER | 22 |
| WONDERLAND CHRISTMAS | 22 |
| LIAISONS SWEET | 22 |
| DREAM PICKUP | 22 |
| FIREBALL PHILADELPHIA | 21 |
| SABRINA MIDNIGHT | 21 |
| STAR OPERATION | 21 |
| EGG IGBY | 21 |
| MOURNING PURPLE | 21 |
| SLEEPY JAPANESE | 21 |
| AGENT TRUMAN | 21 |
| PIRATES ROXANNE | 21 |
| SECRET GROUNDHOG | 21 |
| RESURRECTION SILVERADO | 21 |
| OPEN AFRICAN | 21 |
| COAST RAINBOW | 21 |
| AMADEUS HOLY | 21 |
| CHAINSAW UPTOWN | 21 |
| ARIZONA BANG | 21 |
| TRAMP OTHERS | 20 |
| BRINGING HYSTERICAL | 20 |
| CHASING FIGHT | 20 |
| NORTHWEST POLISH | 20 |
| DALMATIONS SWEDEN | 20 |
| PINOCCHIO SIMON | 20 |
| MONEY HAROLD | 20 |
| HELLFIGHTERS SIERRA | 20 |
| PEAK FOREVER | 20 |
| ROOM ROMAN | 20 |
| FICTION CHRISTMAS | 19 |
| JEDI BENEATH | 19 |
| SHAWSHANK BUBBLE | 19 |
| BILL OTHERS | 19 |
| TROJAN TOMORROW | 19 |
| CIDER DESIRE | 19 |
| DISCIPLE MOTHER | 19 |
| GABLES METROPOLIS | 19 |
| SWEDEN SHINING | 18 |
| CAROL TEXAS | 18 |
| POLISH BROOKLYN | 18 |
| INSTINCT AIRPORT | 18 |
| DAWN POND | 18 |
| POLLOCK DELIVERANCE | 18 |
| SECRETARY ROUGE | 18 |
| HEAVEN FREEDOM | 18 |
| UNFORGIVEN ZOOLANDER | 18 |
| LION UNCUT | 18 |

91 rows in set (0.000 sec)

**Question 6:**

| actor_id | first_name | last_name | pct |
|---------:|-----------|-----------|--------|
| 180 | JEFF | SILVERSTONE | 0.4800 |
| 111 | CAMERON | ZELLWEGER | 0.4545 |
| 25 | KEVIN | BLOOM | 0.4286 |
| 44 | NICK | STALLONE | 0.4000 |
| 31 | SISSY | SOBIESKI | 0.3889 |
| 137 | MORGAN | WILLIAMS | 0.3704 |
| 92 | KIRSTEN | AKROYD | 0.3529 |
| 37 | VAL | BOLGER | 0.3429 |
| 49 | ANNE | CRONYN | 0.3333 |
| 71 | ADAM | GRANT | 0.3333 |
| 133 | RICHARD | PENN | 0.3333 |
| 26 | RIP | CRAWFORD | 0.3333 |
| 147 | FAY | WINSLET | 0.3226 |
| 162 | OPRAH | KILMER | 0.3200 |
| 131 | JANE | JACKMAN | 0.3200 |
| 61 | CHRISTIAN | NEESON | 0.3200 |
| 132 | ADAM | HOPPER | 0.3182 |
| 10 | CHRISTIAN | GABLE | 0.3182 |
| 183 | RUSSELL | CLOSE | 0.3158 |
| 1 | PENELOPE | GUINESS | 0.3158 |
| 41 | JODIE | DEGENERES | 0.3103 |
| 165 | AL | GARLAND | 0.3077 |
| 48 | FRANCES | DAY-LEWIS | 0.3077 |
| 135 | RITA | REYNOLDS | 0.3000 |
| 57 | JUDE | CRUISE | 0.3000 |
| 128 | CATE | MCQUEEN | 0.3000 |
| 160 | CHRIS | DEPP | 0.3000 |
| 190 | AUDREY | BAILEY | 0.2963 |
| 59 | DUSTIN | TAUTOU | 0.2963 |
| 116 | DAN | STREEP | 0.2917 |
| 47 | JULIA | BARRYMORE | 0.2917 |
| 82 | WOODY | JOLIE | 0.2903 |
| 158 | VIVIEN | BASINGER | 0.2857 |
| 27 | JULIA | MCQUEEN | 0.2727 |
| 151 | GEOFFREY | HESTON | 0.2692 |
| 22 | ELVIS | MARX | 0.2692 |
| 102 | WALTER | TORN | 0.2683 |
| 199 | JULIA | FAWCETT | 0.2667 |
| 196 | BELA | WALKEN | 0.2667 |
| 64 | RAY | JOHANSSON | 0.2667 |
| 126 | FRANCES | TOMEI | 0.2609 |
| 173 | ALAN | DREYFUSS | 0.2593 |
| 21 | KIRSTEN | PALTROW | 0.2593 |
| 125 | ALBERT | NOLTE | 0.2581 |

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|   8 | MATTHEW  | JOHANSSON  | 0.1000 |
| 129 | DARYL    | CRAWFORD   | 0.1000 |
| 187 | RENEE    | BALL       | 0.0909 |
| 166 | NICK     | DEGENERES  | 0.0909 |
| 156 | FAY      | WOOD       | 0.0909 |
| 189 | CUBA     | BIRCH      | 0.0833 |
| 170 | MENA     | HOPPER     | 0.0833 |
| 100 | SPENCER  | DEPP       | 0.0833 |
|  16 | FRED     | COSTNER    | 0.0741 |
|  76 | ANGELINA | ASTAIRE    | 0.0645 |
| 127 | KEVIN    | GARLAND    | 0.0606 |
|  30 | SANDRA   | PECK       | 0.0526 |
+-----+----------+------------+--------+
199 rows in set (0.000 sec)
```

Question 7:

```
+-----------------------------+
| title                       |
+-----------------------------+
| ACADEMY DINOSAUR            |
| AFFAIR PREJUDICE            |
| AGENT TRUMAN               |
| AIRPLANE SIERRA            |
| ALABAMA DEVIL              |
| ALADDIN CALENDAR           |
| ALAMO VIDEOTAPE            |
| ALASKA PHANTOM             |
| ALIEN CENTER               |
| ALLEY EVOLUTION            |
| ALONE TRIP                 |
| ALTER VICTORY              |
| AMADEUS HOLY               |
| AMERICAN CIRCUS            |
| AMISTAD MIDSUMMER          |
| ANACONDA CONFESSIONS       |
| ANGELS LIFE                |
| ANNIE IDENTITY             |
| APACHE DIVINE              |
| ARACHNOPHOBIA ROLLERCOASTER |
| ARIZONA BANG               |
| ARMAGEDDON LOST            |
| ATLANTIS CAUSE             |
| ATTACKS HATE               |
| ATTRACTION NEWTON          |
| BACKLASH UNDEFEATED        |
| BADMAN DAWN                |
| BAKED CLEOPATRA            |
| BALLOON HOMEWARD           |
| BANGER PINOCCHIO           |
| BARBARELLA STREETCAR       |
| BAREFOOT MANCHURIAN        |
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| WIZARD COLDBLOODED       |
| WOLVES DESIRE            |
| WOMEN DORADO             |
| WONDERLAND CHRISTMAS     |
| WONKA SEA                |
| WORDS HUNTER             |
| WORKER TARZAN            |
| WORKING MICROCOSMOS      |
| WORST BANGER             |
| WRONG BEHAVIOR           |
| YENTL IDAHO              |
| ZOOLANDER FICTION        |
| ZORRO ARK                |
+--------------------------+
563 rows in set (0.000 sec)
```

Question 8:

Purpose:
Find the customer(s) who made the most rentals

```
+------------+-----------+----------+
| first_name | last_name | COUNT(*) |
+------------+-----------+----------+
| ELEANOR    | HUNT      |       46 |
+------------+-----------+----------+
1 row in set (0.000 sec)
```

Why this is interesting:
Store may have a promotion that gives some sort of bonus to whatever customer has the most rentals
This could be for some loyalty program or something
This query would help them find just those people to automate the reward giving
The problem with using ORDER BY and then LIMI(1) is that it does not account for ties
This would be unfair for customers and they would stop being loyal :(

(explanation is in screenshot)