1. Find out the PG-13 rated comedy movies. DO NOT use the film_list table.

```
mysql> SELECT
    ->     f.film_id, f.title
    -> FROM
    ->     category c,
    ->     film_category fc,
    ->     film f
    -> WHERE
    ->     c.category_id = fc.category_id
    ->         AND c.name = 'Comedy'
    ->         AND fc.film_id = f.film_id
    ->         AND f.rating = 'PG-13';
+---------+----------------------+
| film_id | title                |
+---------+----------------------+
|       7 | AIRPLANE SIERRA      |
|      28 | ANTHEM LUKE          |
|     324 | FLINTSTONES HAPPINESS |
|     335 | FREEDOM CLEOPATRA    |
|     385 | GROUNDHOG UNCUT      |
|     502 | KNOCK WARLOCK        |
|     657 | PARADISE SABRINA     |
|     672 | PERFECT GROOVE       |
|     754 | RUSHMORE MERMAID     |
|     756 | SADDLE ANTITRUST     |
|     857 | STRICTLY SCARFACE    |
|     905 | TRAINSPOTTING STRANGERS |
+---------+----------------------+
12 rows in set (0.00 sec)
```

2. Find out the top 3 rented horror movies.

```
mysql> SELECT
    ->      fl.title, COUNT(ALL fl.title)
    -> FROM
    ->      film_list fl,
    ->      inventory i,
    ->      rental r
    -> WHERE
    ->      fl.category = 'Horror'
    ->           AND fl.FID = i.film_id
    ->           AND i.inventory_id = r.inventory_id
    -> GROUP BY title
    -> ORDER BY COUNT(ALL fl.title) DESC
    -> LIMIT 3;
+---------------+----------------------+
| title         | COUNT(ALL fl.title)  |
+---------------+----------------------+
| PULP BEVERLY  |                   30 |
| FAMILY SWEET  |                   29 |
| SWARM GOLD    |                   27 |
+---------------+----------------------+
3 rows in set (0.01 sec)
```

3. Find out the list of customers from India who have rented sports movies.

```
mysql> SELECT
    ->       *
    -> FROM
    ->       customer_list
    -> WHERE
    ->       country = 'India'
    ->            AND ID IN (SELECT
    ->                r.customer_id
    ->            FROM
    ->                film_list fl,
    ->                inventory i,
    ->                rental r
    ->            WHERE
    ->                fl.category = 'Sports'
    ->                    AND fl.FID = i.film_id
    ->                    AND r.inventory_id = i.inventory_id
    ->            GROUP BY r.customer_id);
```

ID	name	address	zip code	phone	city	country	notes	SID
12	NANCY THOMAS	808 Bhopal Manor	10672	465887807014	Yamuna Nagar	India	active	1
15	HELEN HARRIS	419 Iligan Lane	72878	990911107354	Bhopal	India	active	1
28	CYNTHIA YOUNG	1425 Shikarpur Manor	65599	678220867005	Munger (Monghyr)	India	active	1
32	AMY LOPEZ	176 Mandaluyong Place	65213	627705991774	Jhansi	India	active	1
59	CHERYL MURPHY	1213 Ranchi Parkway	94352	800024380485	Mysore	India	active	1
60	MILDRED BAILEY	81 Hodeida Way	55561	250767749542	Jaipur	India	active	1
68	NICOLE PETERSON	57 Arlington Manor	48960	990214419142	Shivapuri	India	active	1
78	LORI WOOD	936 Salzburg Lane	96709	875756771675	Rae Bareli	India	active	1
95	PAULA BRYANT	1697 Tanauan Lane	22870	4764773857	Pathankot	India	active	2
117	EDITH MCDONALD	1967 Sincelejo Place	73644	577812616052	Gandhinagar	India	active	1
121	JOSEPHINE GOMEZ	211 Chiayi Drive	58186	665993880048	Etawah	India	active	1
123	SHANNON FREEMAN	117 Boa Vista Way	6804	677976133614	Varanasi (Benares)	India	active	2
135	JUANITA MASON	943 Johannesburg Avenue	5892	90921003005	Pune	India	active	2
136	ANITA MORALES	788 Atinsk Street	81691	146497509724	Hubli-Dharwad	India	active	2
167	SALLY PIERCE	1540 Wroclaw Drive	62686	182363341674	Chandrapur	India	active	2
170	BEATRICE ARNOLD	1877 Ezhou Lane	63337	264541743403	Udaipur	India	active	1
175	ANNETTE OLSON	431 Xiangtan Avenue	4854	230250973122	Allappuzha (Alleppey)	India	active	1
186	HOLLY FOX	435 0 Way	74750	760171523969	Haldia	India	active	2
192	LAURIE LAWRENCE	9 San Miguel de Tucumn Manor	90845	956188728558	Firozabad	India	active	1
209	TONYA CHAPMAN	43 Dadu Avenue	4855	95666951770	Bhilwara	India	active	2
224	PEARL GARZA	60 Poos de Caldas Street	82338	963063788669	Jodhpur	India	active	2
225	ARLENE HARVEY	1014 Loja Manor	66851	460795526514	Ambattur	India	active	1
231	GEORGIA JACOBS	954 Kimchon Place	42420	541327526474	Uttarpara-Kotrung	India	active	1
259	LENA JENSEN	1027 Banjul Place	50390	538241037443	Halisahar	India	active	2
268	NINA SOTO	1519 Ilorin Place	49298	357445645426	Palghat (Palakkad)	India	active	1
271	PENNY NEAL	1675 Xiangfan Manor	11763	271149517630	Kumbakonam	India		1
274	NAOMI JENNINGS	1884 Shikarpur Avenue	85548	959949395183	Karnal	India	active	1
296	RAMONA HALE	951 Stara Zagora Manor	98573	429925609431	Patiala	India	active	2
297	SHERRI RHODES	922 Vila Velha Loop	4085	510737228015	Ahmadnagar	India	active	1
300	JOHN FARNSWORTH	41 El Alto Parkway	56883	51917807050	Parbhani	India	active	1
316	STEVEN CURLEY	651 Pathankot Loop	59811	139378397418	Miraj	India	active	1
336	JOSHUA MARK	1920 Weifang Avenue	15643	869507847714	Rampur	India	active	1
356	GERALD FULTZ	45 Aparecida de Goinia Place	7431	650496654258	Satna	India	active	2
358	SAMUEL MARLOW	604 Bern Place	5373	620719383725	Ranchi	India	active	2
367	ADAM GOOCH	230 Urawa Drive	2738	166898395731	Adoni	India	active	1
370	WAYNE TRUONG	1049 Matamoros Parkway	69640	960505250340	Gulbarga	India	active	2
379	CARLOS COUGHLIN	97 Mogiljov Lane	89294	924815207181	Bhavnagar	India	active	1
403	MIKE WAY	990 Etawah Loop	79940	206169448769	Valparai	India	active	1
412	ALLEN BUTTERFIELD	791 Salinas Street	40509	129953030512	Hoshiarpur	India	active	2
419	CHAD CARBONE	1948 Bayugan Parkway	60622	987306329957	Katihar	India	active	1
421	LEE HAWKS	1661 Abha Drive	14400	270456873752	Pudukkottai	India	active	1
426	BRADLEY MOTLEY	1596 Acua Parkway	70425	157133457169	Purnea (Purnia)	India	active	1
440	BERNARD COLBY	495 Bhimavaram Lane	3	82088937724	Dhule (Dhulia)	India	active	1
446	THEODORE CULP	1704 Tambaram Manor	2834	39463554936	Uluberia	India		2
468	TIM CARY	1257 Guadalajara Street	33599	195337700615	Bijapur	India		1
502	BRETT CORNWELL	1197 Sokoto Boulevard	87687	868602816371	Siliguri (Shiliguri)	India	active	1
508	MILTON HOWLAND	758 Korolev Parkway	75474	441628280920	Vijayawada	India	active	2
534	CHRISTIAN JUNG	949 Allende Lane	67521	122981120653	Amroha	India		1
554	DWAYNE OLVERA	1447 Imus Place	12905	62127829280	Rajkot	India	active	1

49 rows in set (0.04 sec)

4. Find out the list of customers from Canada who have rented "NICK WAHLBERG" movies.

```
mysql> SELECT
    ->     *
    -> FROM
    ->     customer_list cl
    -> WHERE
    ->     cl.country = 'Canada'
    ->         AND ID IN (SELECT
    ->             r.customer_id
    ->         FROM
    ->             actor a,
    ->             film_actor fa,
    ->             inventory i,
    ->             rental r
    ->         WHERE
    ->             a.first_name = 'NICK'
    ->                 AND a.last_name = 'WAHLBERG'
    ->                 AND a.actor_id = fa.actor_id
    ->                 AND fa.film_id = i.film_id
    ->                 AND i.inventory_id = r.inventory_id);
+-----+-------------------+------------------+----------+-------------+---------+---------+--------+-----+
| ID  | name              | address          | zip code | phone       | city    | country | notes  | SID |
+-----+-------------------+------------------+----------+-------------+---------+---------+--------+-----+
| 189 | LORETTA CARPENTER | 891 Novi Sad Manor | 5379   | 247646995453 | Oshawa  | Canada  | active |   1 |
| 463 | DARRELL POWER     | 1844 Usak Avenue | 84461    | 164414772677 | Halifax | Canada  | active |   2 |
+-----+-------------------+------------------+----------+-------------+---------+---------+--------+-----+
2 rows in set (0.01 sec)
```

5. Find out the number of movies in which "SEAN WILLIAMS" acted.

```
mysql> SELECT
    ->     COUNT(DISTINCT fa.film_id)
    -> FROM
    ->     actor a,
    ->     film_actor fa
    -> WHERE
    ->     a.first_name = 'SEAN'
    ->         AND a.last_name = 'WILLIAMS'
    ->         AND fa.actor_id = a.actor_id;
+----------------------------+
| COUNT(DISTINCT fa.film_id) |
+----------------------------+
|                         26 |
+----------------------------+
1 row in set (0.00 sec)
```