1. **Get all the details of products that belong to clothing category and price less than 700**

mysql> select \* from product;

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

| name | category | price | brand | rating |

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

| Black Shirt | Clothing | 900 | Puma | 4.8 |

| Brown Shoe | Fashioning | 1250.78 | Puma | 4.6 |

| Black Crocs | Modeling | 2685 | Puma | 3.2 |

| Black Jeans | Designing | 1500.5 | Edward | 4.5 |

| Bourbon Small | Biscuit | 250 | Brittania | 4.2 |

| Bourbon With Extra Cookies | Biscuit | 350 | Brittania | 4.6 |

| Blue Jeans | Modeling | 1900 | Cooper | 4.1 |

| Grey Jeans | Designing | 950.6 | Edward | 4.1 |

| Lays Chips Classic | Chips | 70 | Uniliver | 3.9 |

| Bingo Chips Spicy | Chips | 90.5 | Uniliver | 3.7 |

| Kurkure Chips Extra spicy | Chips | 60.5 | Uniliver | 3.8 |

| Cargo | Clothing | 650 | Puma | 4.5 |

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

12 rows in set (0.00 sec)

mysql> select \* from product where category = 'Clothing' and price<700;

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

| name | category | price | brand | rating |

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

| Cargo | Clothing | 650 | Puma | 4.5 |

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

1 row in set (0.00 sec)

1. **Get all the details of products that belong to denim brand with rating greater than 4**

mysql> select \* from product;

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

| name | category | price | brand | rating |

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

| Black Shirt | Clothing | 900 | Puma | 4.8 |

| Brown Shoe | Fashioning | 1250.78 | Puma | 4.6 |

| Black Crocs | Modeling | 2685 | Puma | 3.2 |

| Black Jeans | Designing | 1500.5 | Edward | 4.5 |

| Bourbon Small | Biscuit | 250 | Brittania | 4.2 |

| Bourbon With Extra Cookies | Biscuit | 350 | Brittania | 4.6 |

| Blue Jeans | Modeling | 1900 | Cooper | 4.1 |

| Grey Jeans | Designing | 950.6 | Edward | 4.1 |

| Lays Chips Classic | Chips | 70 | Uniliver | 3.9 |

| Bingo Chips Spicy | Chips | 90.5 | Uniliver | 3.7 |

| Kurkure Chips Extra spicy | Chips | 60.5 | Uniliver | 3.8 |

| Cargo | Clothing | 650 | Puma | 4.5 |

| Jeans | Clothing | 670 | Denim | 3.9 |

| Black Jeans | Modeling | 660 | Denim | 4.1 |

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

14 rows in set (0.00 sec)

mysql> select \* from product where brand = 'Denim' and rating>4;

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

| name | category | price | brand | rating |

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

| Black Jeans | Modeling | 660 | Denim | 4.1 |

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

1 row in set (0.00 sec)

1. **Get all the best-rated products with price less than or equal to 1000.**

mysql> select \* from product where price <=1000;

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

| name | category | price | brand | rating |

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

| Black Shirt | Clothing | 900 | Puma | 4.8 |

| Bourbon Small | Biscuit | 250 | Brittania | 4.2 |

| Bourbon With Extra Cookies | Biscuit | 350 | Brittania | 4.6 |

| Grey Jeans | Designing | 950.6 | Edward | 4.1 |

| Lays Chips Classic | Chips | 70 | Uniliver | 3.9 |

| Bingo Chips Spicy | Chips | 90.5 | Uniliver | 3.7 |

| Kurkure Chips Extra spicy | Chips | 60.5 | Uniliver | 3.8 |

| Cargo | Clothing | 650 | Puma | 4.5 |

| Jeans | Clothing | 670 | Denim | 3.9 |

| Black Jeans | Modeling | 660 | Denim | 4.1 |

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

10 rows in set (0.00 sec)

1. **Get all the products from the product table whose rating is above 3.6 and price less than 1000 and belongs to puma brand**

mysql> select \* from product where rating>3.6 and price <1000 and brand='puma';

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

| name | category | price | brand | rating |

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

| Black Shirt | Clothing | 900 | Puma | 4.8 |

| Cargo | Clothing | 650 | Puma | 4.5 |

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

2 rows in set (0.00 sec)

1. **Get all the products from puma, denim and nike brands**

mysql> select \* from product where brand in('Puma','Denim','Nike');

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

| name | category | price | brand | rating |

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

| Black Shirt | Clothing | 900 | Puma | 4.8 |

| Brown Shoe | Fashioning | 1250.78 | Puma | 4.6 |

| Black Crocs | Modeling | 2685 | Puma | 3.2 |

| Cargo | Clothing | 650 | Puma | 4.5 |

| Jeans | Clothing | 670 | Denim | 3.9 |

| Black Jeans | Modeling | 660 | Denim | 4.1 |

| Black Jeans | Modeling | 450 | Nike | 4.5 |

| Blue Jeans | Modeling | 1200 | Nike | 4.5 |

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

8 rows in set (0.00 sec)

1. **Get all the details of products whose brand is redmi with rating greater than 4 or products that belong to oneplus brand**

mysql> select \* from product where brand='Redmi' and rating>4 or brand='Oneplus';

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

| name | category | price | brand | rating |

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

| Note 5 | Gadgets | 16000 | Redmi | 4.2 |

| Note 7 Pro | Gadgets | 26000 | Oneplus | 3.9 |

| Note 9 Pro | Gadgets | 35000 | Oneplus | 4.1 |

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

3 rows in set (0.00 sec)

1. **Get only cakes from cadbury and brittania brands that have rating greater than 4.0**

mysql> select \* from product where name like '%Cake%';

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

| name | category | price | brand | rating |

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

| Strawberry Cakes | Cakes | 50 | Cadbury | 3.9 |

| Pineapple Cakes | Cake | 150 | Brittania | 4.1 |

| Strawberry Cakes | Cakes | 50 | Cadbury | 4.1 |

| Pineapple Cakes | Cake | 150 | Brittania | 3.9 |

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

4 rows in set (0.00 sec)

1. **Get all the details of the products from the product table whose brand is puma and rating greater than 3.5 or brand is denim and rating greater than 4.0**

mysql> select \* from product where brand ='Puma' and rating>3.5 or brand='Denim' and rating>4.0;

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

| name | category | price | brand | rating |

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

| Black Shirt | Clothing | 900 | Puma | 4.8 |

| Brown Shoe | Fashioning | 1250.78 | Puma | 4.6 |

| Cargo | Clothing | 650 | Puma | 4.5 |

| Black Jeans | Modeling | 660 | Denim | 4.1 |

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

4 rows in set (0.00 sec)

1. **Get all the shirts available in puma nike or levis brands excluding the black color shirts**

mysql> select \* from product where brand in('Puma','Nike','Levis') and name not like 'Black%';

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

| name | category | price | brand | rating |

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

| Brown Shoe | Fashioning | 1250.78 | Puma | 4.6 |

| Cargo | Clothing | 650 | Puma | 4.5 |

| Blue Jeans | Modeling | 1200 | Nike | 4.5 |

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

3 rows in set (0.00 sec)