**Task 1:**

mysql> select \* from puma where category='clothing' and price<=900;

**Output:**

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

| name | category | price | brand | rating |

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

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

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

| jean | Clothing | 890 | puma | 3.7 |

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

3 rows in set (0.00 sec)

**Task 2:**

mysql> select \* from puma where brand='puma' and rating <4;

**Output:**

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

| name | category | price | brand | rating |

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

| Shirt | Kole | 800 | puma | 3.5 |

| jean | Clothing | 890 | puma | 3.7 |

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

2 rows in set (0.04 sec)

**Task 3:**

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

**Output:**

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

| name | category | price | brand | rating |

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

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

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

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

2 rows in set (0.00 sec)

**Task 3:**

mysql> select \* from puma where brand='puma' and price <= 900 ;

**Output:**

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

| name | category | price | brand | rating |

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

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

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

| Shirt | Kole | 800 | puma | 3.5 |

| jean | Clothing | 890 | puma | 3.7 |

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

4 rows in set (0.00 sec)

**Task 4:**

mysql> select \* from puma where brand='puma' and price >= 900 and rating > 3.5;

**Output:**

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

| name | category | price | brand | rating |

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

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

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

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

2 rows in set (0.00 sec)

mysql> select \* from puma;

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

| name | category | price | brand | rating |

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

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

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

| Shirt | Kole | 800 | puma | 3.5 |

| Shoes | Vest | 750 | kiki | 4.9 |

| jean | Clothing | 890 | puma | 3.7 |

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

5 rows in set (0.00 sec)

**Task 5:**

mysql> select \* from puma where brand='puma' or brand='kiki';

**Output:**

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

| name | category | price | brand | rating |

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

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

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

| Shirt | Kole | 800 | puma | 3.5 |

| Shoes | Vest | 750 | kiki | 4.9 |

| jean | Clothing | 890 | puma | 3.7 |

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

5 rows in set (0.00 sec)

**Task 6:**

mysql> create table mobile(brand varchar(25),Storage int,ram int,Ratings int);

Query OK, 0 rows affected (0.06 sec)

mysql> insert into mobile values('Redmi',250,8,4),('Nokia',150,8

,5),('oneplus',120,4,3),('realme'80,2,4);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '80,2,4)' at line 1

mysql> insert into mobile values('Redmi',250,8,4),('Nokia',150,8,5),('oneplus',120,4,3),('realme',80,2,4);

Query OK, 4 rows affected (0.04 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select \* from mobile;

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

| brand | Storage | ram | Ratings |

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

| Redmi | 250 | 8 | 4 |

| Nokia | 150 | 8 | 5 |

| oneplus | 120 | 4 | 3 |

| realme | 80 | 2 | 4 |

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

4 rows in set (0.00 sec)

mysql> select \* from mobile where brand='redmi' and Ratings <= 4;

**Output:**

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

| brand | Storage | ram | Ratings |

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

| Redmi | 250 | 8 | 4 |

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

1 row in set (0.00 sec)

mysql> select \* from mobile where brand='oneplus%';

Empty set (0.00 sec)

mysql> select \* from mobile where brand like 'oneplus%';

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

| brand | Storage | ram | Ratings |

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

| oneplus | 120 | 4 | 3 |

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

1 row in set (0.00 sec)

**Task 8:**

mysql> select \* from puma where brand='puma' and rating < 3.5 or brand='kiki' and rating<4;

Empty set (0.00 sec)

mysql> select \* from puma;

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

| name | category | price | brand | rating |

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

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

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

| Shirt | Kole | 800 | puma | 3.5 |

| Shoes | Vest | 750 | kiki | 4.9 |

| jean | Clothing | 890 | puma | 3.7 |

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

5 rows in set (0.00 sec)

mysql> select \* from puma where brand='puma' and rating > 3.5 or brand='kiki' and rating>4;

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

| name | category | price | brand | rating |

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

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

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

| Shoes | Vest | 750 | kiki | 4.9 |

| jean | Clothing | 890 | puma | 3.7 |

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

4 rows in set (0.00 sec)

**Task 7:**

mysql> select \* from puma where brand='puma' or name like '%Shirt';

**Output:**

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

| name | category | price | brand | rating |

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

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

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

| Shirt | Kole | 800 | puma | 3.5 |

| jean | Clothing | 890 | puma | 3.7 |

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

4 rows in set (0.00 sec)

mysql> select \* from puma where brand='puma' and name like '%Shirt';

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

| name | category | price | brand | rating |

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

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

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

| Shirt | Kole | 800 | puma | 3.5 |

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

3 rows in set (0.00 sec)

mysql> select \* from puma where brand='puma' and name like '%Shirt' and rating < 4;

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

| name | category | price | brand | rating |

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

| Shirt | Kole | 800 | puma | 3.5 |

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

1 row in set (0.00 sec)

mysql> select \* from puma where brand='puma' and name like '%Shirt' and rating > 4;

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

| name | category | price | brand | rating |

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

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

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

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

2 rows in set (0.00 sec)