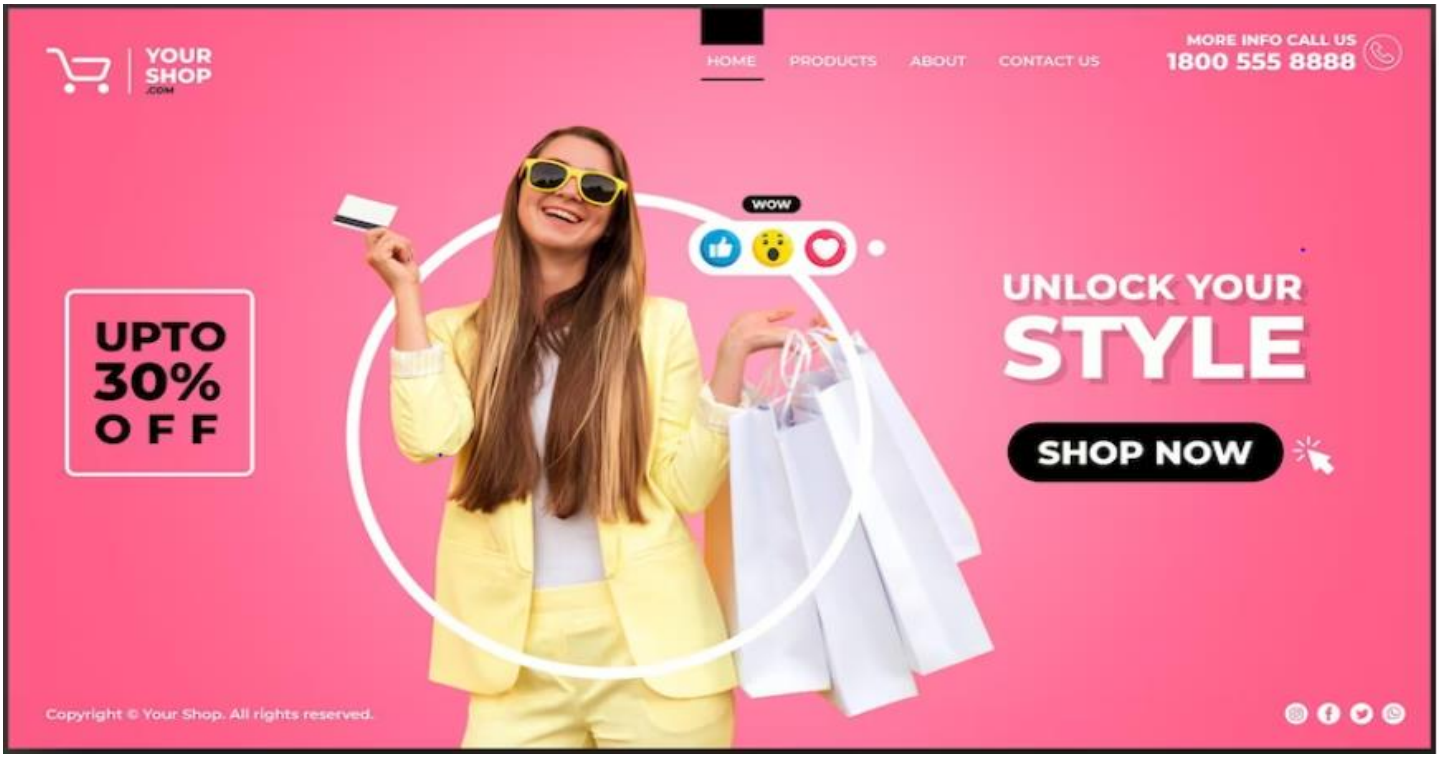
SQL PROJECT

MarketplaceX

Welcome to MarketPlaceX - Your Ultimate E-Commerce Destination

The e-commerce project, tentatively named "MarketPlaceX," is a comprehensive online platform designed to facilitate seamless buying and selling experiences for customers. With a well-structured database and a range of user-friendly functionalities, MarketPlaceX aims to revolutionize the e-commerce landscape.



❖ Key Features

Product MarketPlaceX offers an extensive product catalog with a diverse range of items, from clothing and accessories to electronics and cosmetics. Customer Accounts Customers can create accounts, manage profiles, and track their activities within the platform. Shopping Cart Users can add products to their carts, review items, and proceed to checkout for secure and efficient transactions. Wishlist and Favorites Customers can save products to their wishlist and vendors can showcase their top items as favorites. Order & orders details. A comprehensive order management system allows users to track their purchases, delivery status, and order history. Product Reviews Users can rate and review products, helping others make informed buying decisions.

❖ Aim

Facilitate Buying and Selling MarketPlaceX aims to provide a platform that simplifies and streamlines the process of buying and selling products for both customers and vendors. Community Engagement By incorporating product reviews and ratings, the project aims to foster a sense of community and trust among users.

❖ Objective

- Develop a system for vendors to easily add, edit, and manage their product listings.
- Measurement Evaluate the number of products listed and vendor engagement with the catalog management system.
- Shopping Cart Enable customers to add products to their carts, review items, and complete secure transactions.
- Encourage users to submit product reviews and ratings.
- Track the number of reviews and ratings submitted by users.
- Provide vendors with a comprehensive dashboard to monitor orders, manage inventory, and engage with customers

❖ Introduction

- MarketPlaceX - Your Ultimate E-Commerce Destination

- Diverse Product Universe: At MarketPlaceX, we understand that every customer is unique. That's why we've curated an extensive product catalog spanning various categories, from fashion and electronics and beyond. Discover an unparalleled range of quality products, all under one virtual roof.

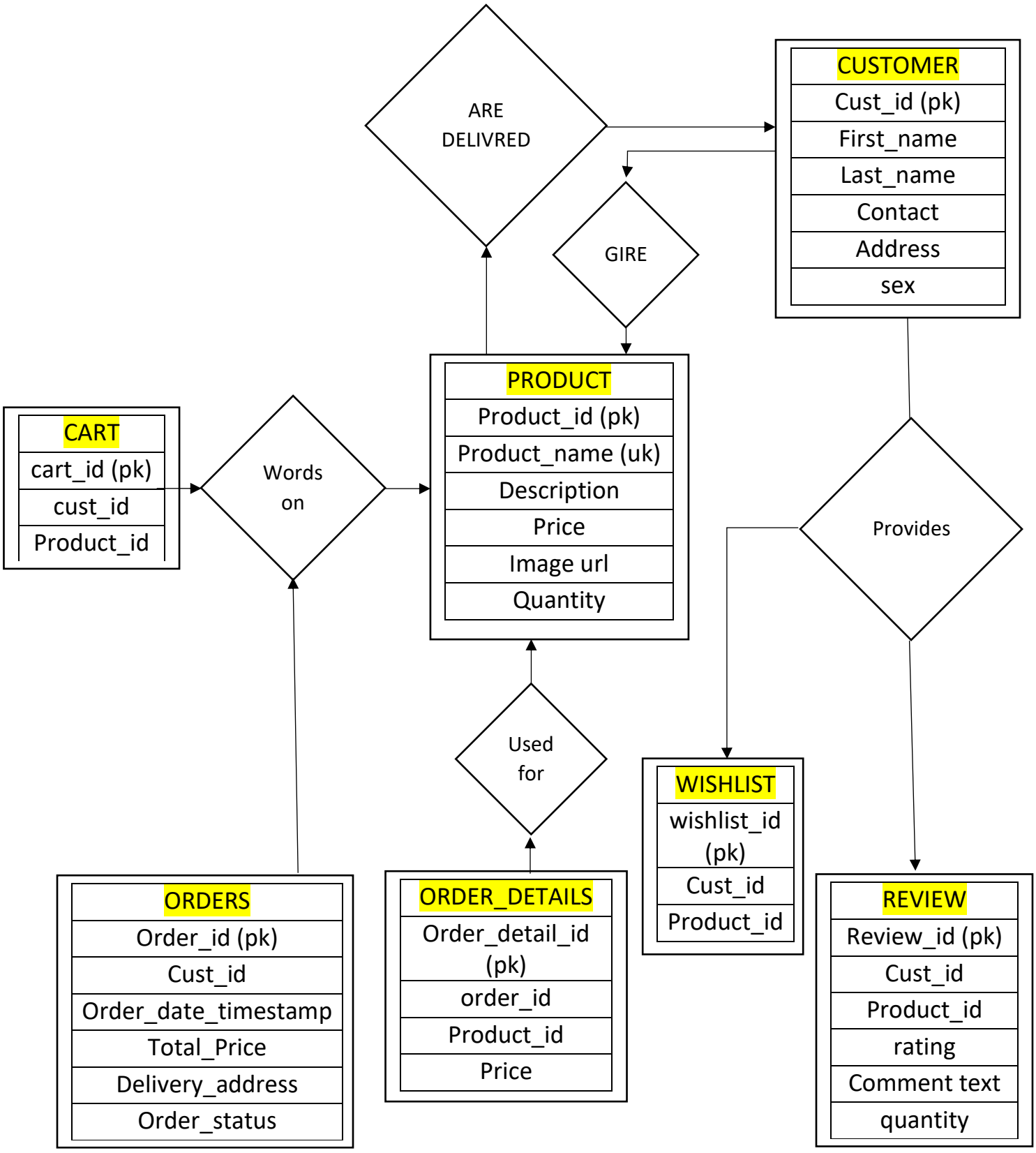
- Our platform's user-friendly interface is designed with you in mind. Easy navigation, intuitive search, and personalized recommendations ensure that you find what you're looking for effortlessly.

- Product Reviews and Community: Join our thriving community of users who share their thoughts through product reviews and ratings. Make informed decisions, offer feedback, and connect with fellow shoppers and sellers.

- Order Management: Keep tabs on your purchases with our comprehensive order management system. Know the status of your orders, track deliveries, and access your order history effortlessly.

- Community and Growth: Become part of a vibrant and growing e-commerce ecosystem. Engage with fellow shoppers, sellers, and enthusiasts to create a thriving digital community.

❖ 0ER-DIAGRAM


ARE
DELIVRED
CUSTOMER
Cust_id (pk)
First_name
Last_name
Contact
Address
sex
GIRE
PRODUCT
Product_id (pk)
Product_name (uk)
Description
Price
Image url
Quantity
CART
cart_id (pk)
cust_id
Product_id
Words
on
Provides
Used
for
WISHLIST
wishlist_id
(pk)
Cust_id
Product_id
ORDERS
Order_id (pk)
Cust_id
Order_date_timestamp
Total_Price
Delivery_address
Order_status
ORDER_DETAILS
Order_detail_id
(pk)
order_id
Product_id
Price
REVIEW
Review_id (pk)
Cust_id
Product_id
rating
Comment text
quantity

❖ STRUCTURE OF THE TABLES

1) Customer table

```
20 •  select * from customer;
21
```

Result Grid | Filter Rows: | Edit: | Export/Imp

cust_id	first_name	last_name	contact_no	address	sex
1	Nisha	patil	8149255465	jalgoan	F
2	Prachi	chaudhari	8208411456	Pune	F
3	Nikhil	deshmukh	8549255463	jamner	M
4	Jija	deshmukh	9657209083	banglore	F
5	Meet	Mahajan	9867275589	nerul	M
6	Prashant	Dalvi	8149255325	badlapur	M
7	Manan	sharma	9925685465	kalyan	M
8	Prisha	gupta	9823568741	ratnagiri	F
NULL	NULL	NULL	NULL	NULL	NULL

2) Product table

```
42 •  select * from product;
43
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows:

product_id	product_name	decription	price	image_url	qauntity
101	jins	mens loose fit jins	2015	https://www.myntra.com/jeans/powerlook/pow...	1
102	t-shirt	kids boyes tshirt	515	https://www.myntra.com/tshirts/h%26m/hm-b...	2
103	dress	infanant girl cotton dress	999	https://www.myntra.com/dresses/cherry+%2...	1
104	lipstick	lakme matt lipstick	350	https://www.myntra.com/lipstick/lakme/lakme-...	4
105	Jewellery set	jawri pearl neckless set	1500	https://www.myntra.com/jewellery-set/zaveri+...	1
106	women dress	shiffon three tire midi dress	850	https://www.myntra.com/dresses/antheaa/ant...	3
107	women shoe	women multicolour shoe	3600	https://www.myntra.com/shoes/mr.wonker/mr-...	1
108	mens perfum	long lasting Eau de Parfum - 90 ml	7800	https://www.myntra.com/perfume/viktor%26ro...	2
109	trimmer	philips mens trimmer	1550	https://www.myntra.com/trimmer/philips/philip...	1
110	sunglasses	uv protected sun glasses	1660	https://www.myntra.com/sunglasses/carlton+l...	1

product 5 ×

Output

Action Output

#	Time	Action	Message
3	17:39:32	describe table customer	1 row(s) returned
4	17:39:49	describe customer	6 row(s) returned
5	17:40:18	select * from customer LIMIT 0, 10	8 row(s) returned

3) Cart table

```
79
80 •  select * from cart;
81
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

cart_id	cust_id	product_id
c01	1	101
c02	2	102
c03	3	103
c04	4	104
c05	5	105
c06	6	106
c07	7	107
c08	8	108
NULL	NULL	NULL

cart 6

4) Orders table

```
108 •  select * from orders;
109
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

order_id	cust_id	order_date_timestamp	total_price	delivery_address	order_status
10	2	order_date_timestamp()	5000	jalgaon	delivered
o1	1	order_date_timestamp()	5000	jalgaon	delivered
o2	2	order_date_timestamp()	10000	pune	not delivered
o3	3	order_date_timestamp()	1000	jamner	shipped
o4	4	order_date_timestamp()	1500	banglore	pending
o5	5	order_date_timestamp()	1660	nerul	cancle
o6	6	order_date_timestamp()	1500	badlapur	delivered
o7	7	order_date_timestamp()	850	thane	not delivered
o8	8	order_date_timestamp()	7500	ratnagiri	shipped
o9	1	order_date_timestamp()	5000	jalgaon	delivered

orders 7

Output

5) Order_details table

```
127
128 •  select * from order_details;
129
```

Result Grid | Filter Rows: | Edit: | Export/Import:

order_detail_id	order_id	product_id	price
od1	1	101	5000
od2	2	102	10000
od3	3	103	1000
od4	4	104	1500
od5	5	105	1660
od6	6	106	1500
od7	7	107	850
od8	8	108	7500
NULL	NULL	NULL	NULL

order_details 8 ×

6) Review table

```
147
148 •  select * from Review;
149
150
```

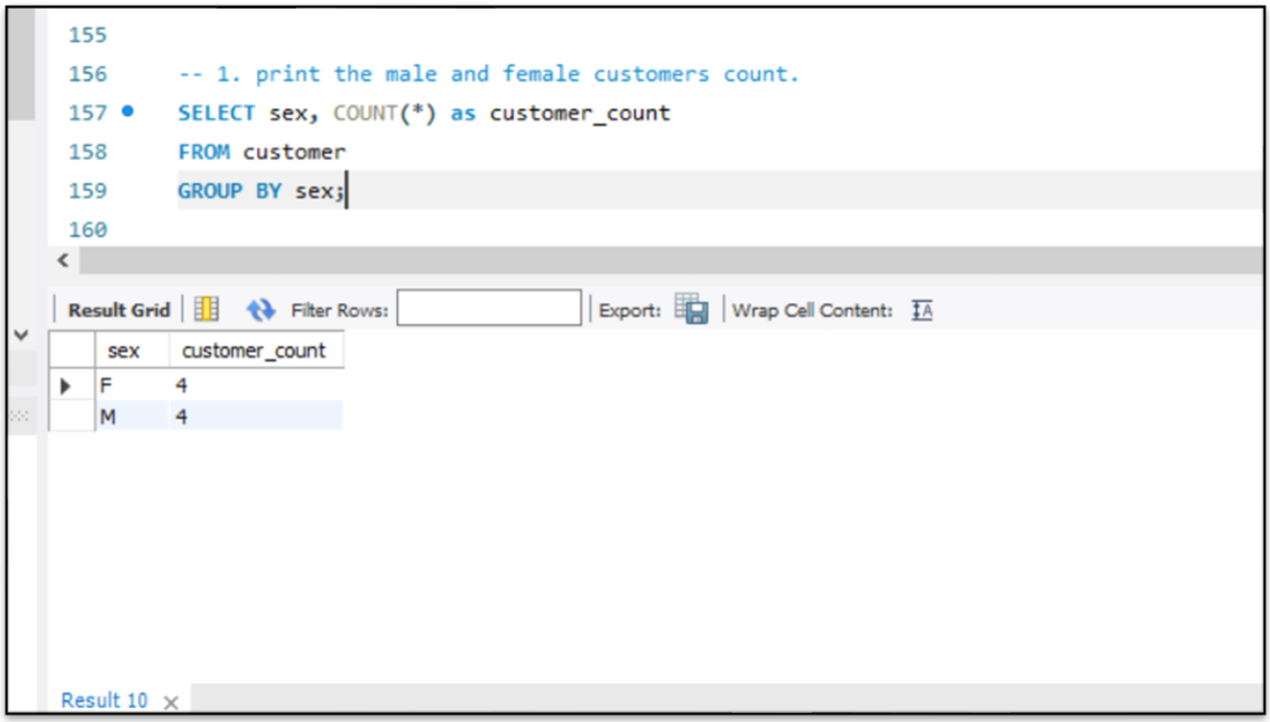
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

review_id	cust_id	product_id	rating	comment_text
r1	1	101	3	nice
r2	2	102	2	not good
r3	3	103	4	awesome
r4	4	104	5	very good
r5	5	105	3	ok
r6	6	106	2	not good
r7	7	107	1	bad
NULL	NULL	NULL	NULL	NULL

Review 9 ×

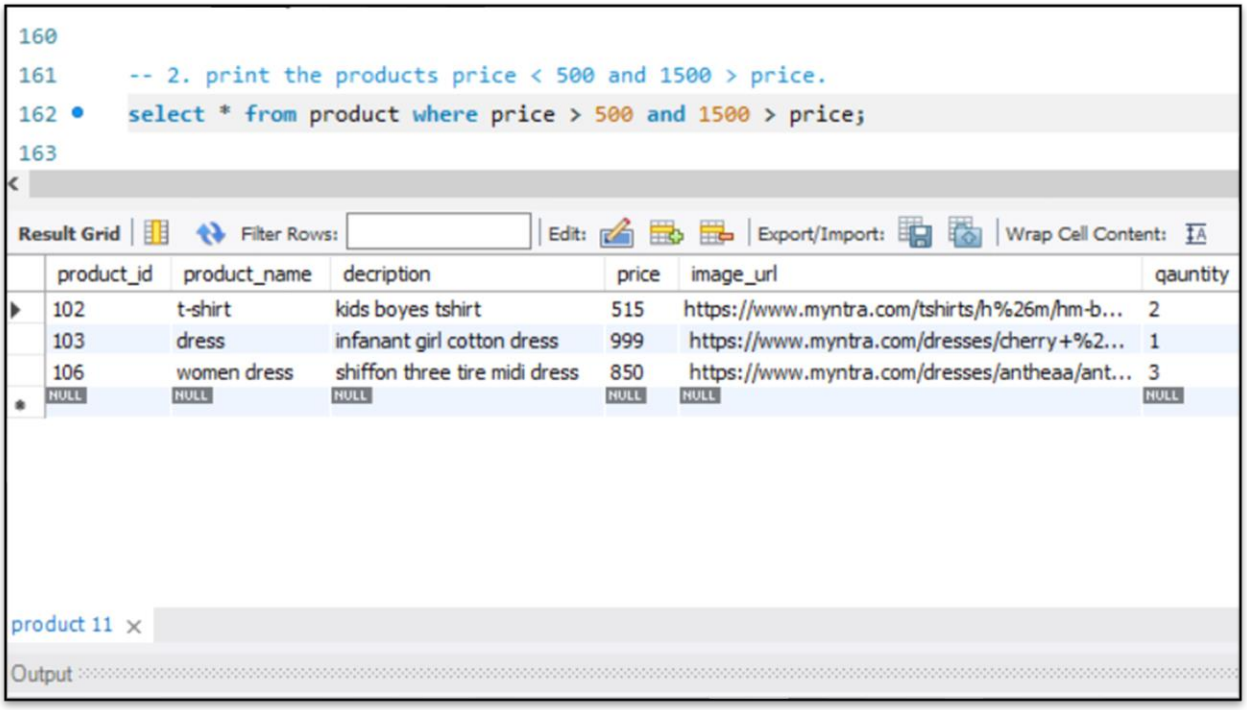
1. print the male and female customers count.

```
SELECT sex, COUNT(*) as customer_count
FROM customer
GROUP BY sex;
```

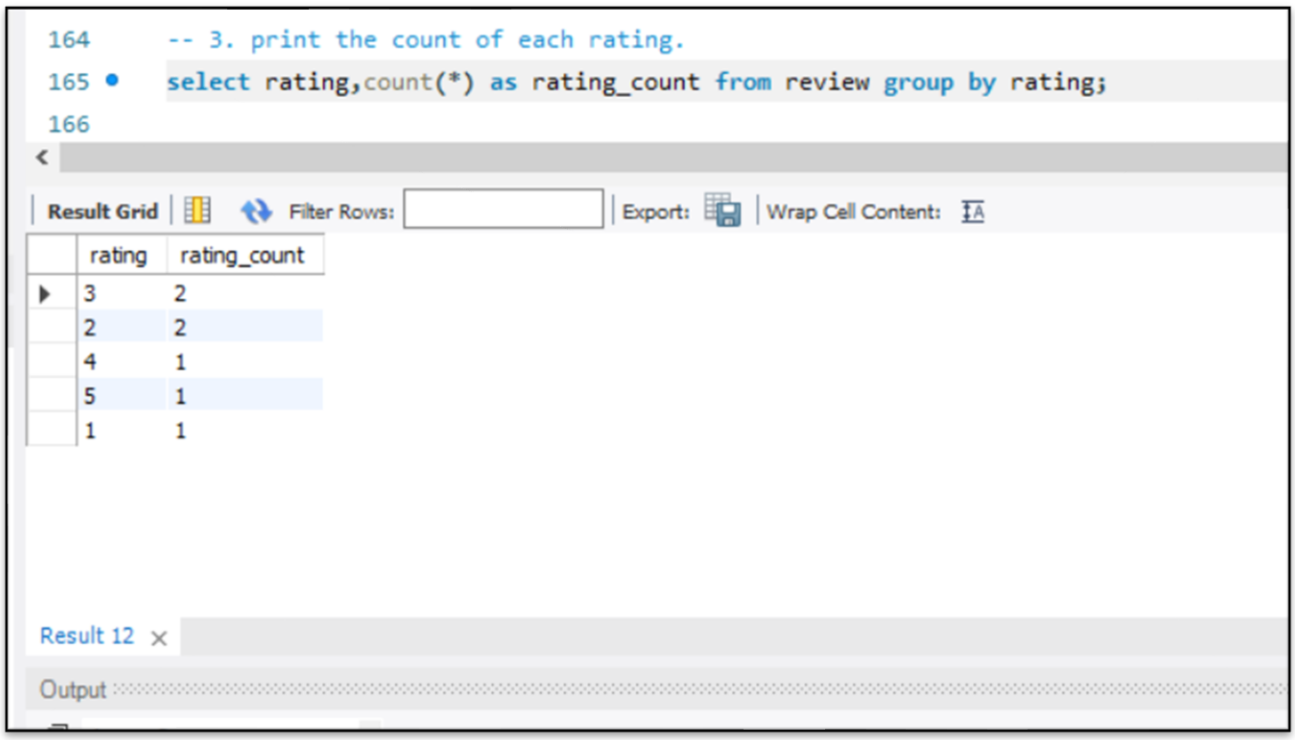


2. print the products price < 500 and 1500 > price.

```
select * from product where price > 500 and 1500 > price;
```



3. print the count of each rating.
   select rating,count(*) as rating_count from review group by rating;



4. count of products which has qauntity less than 10.
   select count(*) as product_count from product where qauntity<10;

```
166
167     -- 4. count of products which has qauntity less than 10.
168 •   select count(*) as product_count from product where qauntity<10;
169
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

product_count
10

Result 13

5. print the products price sum group by qauntity.
   select qauntity,sum(price) as total_price from product group by qauntity;

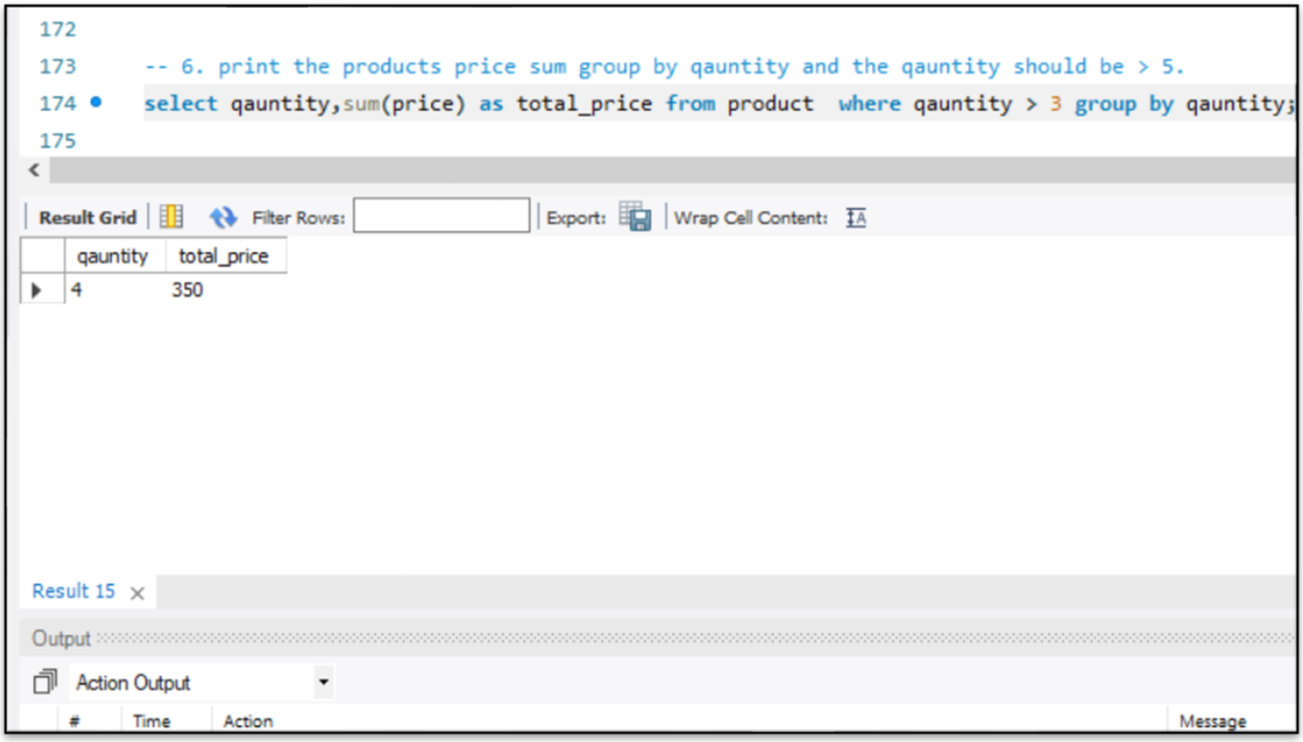
```
169
170     -- 5. print the products price sum group by qauntity.
171 •   select qauntity,sum(price) as total_price from product group by qauntity;
172
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

qauntity	total_price
1	11324
2	8315
4	350
3	850

Result 14

6. print the products price sum group by qauntity and the qauntity should be > 5.
   select qauntity,sum(price) as total_price from product where qauntity > 3 group by qauntity;



7. print the customer list whose Order delivery address and actual address are not same.

```
SELECT c.*
 FROM customer c
 JOIN orders o ON c.cust_id = o.cust_id
 WHERE o.delivery_address <> c.address;
```

```
175
176     -- 7. print the customer list whose Order delivery address and actual address are not same.
177     SELECT c.*
178     FROM customer c
179     JOIN orders o ON c.cust_id = o.cust_id
180     WHERE o.delivery_address <> c.address;
181
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

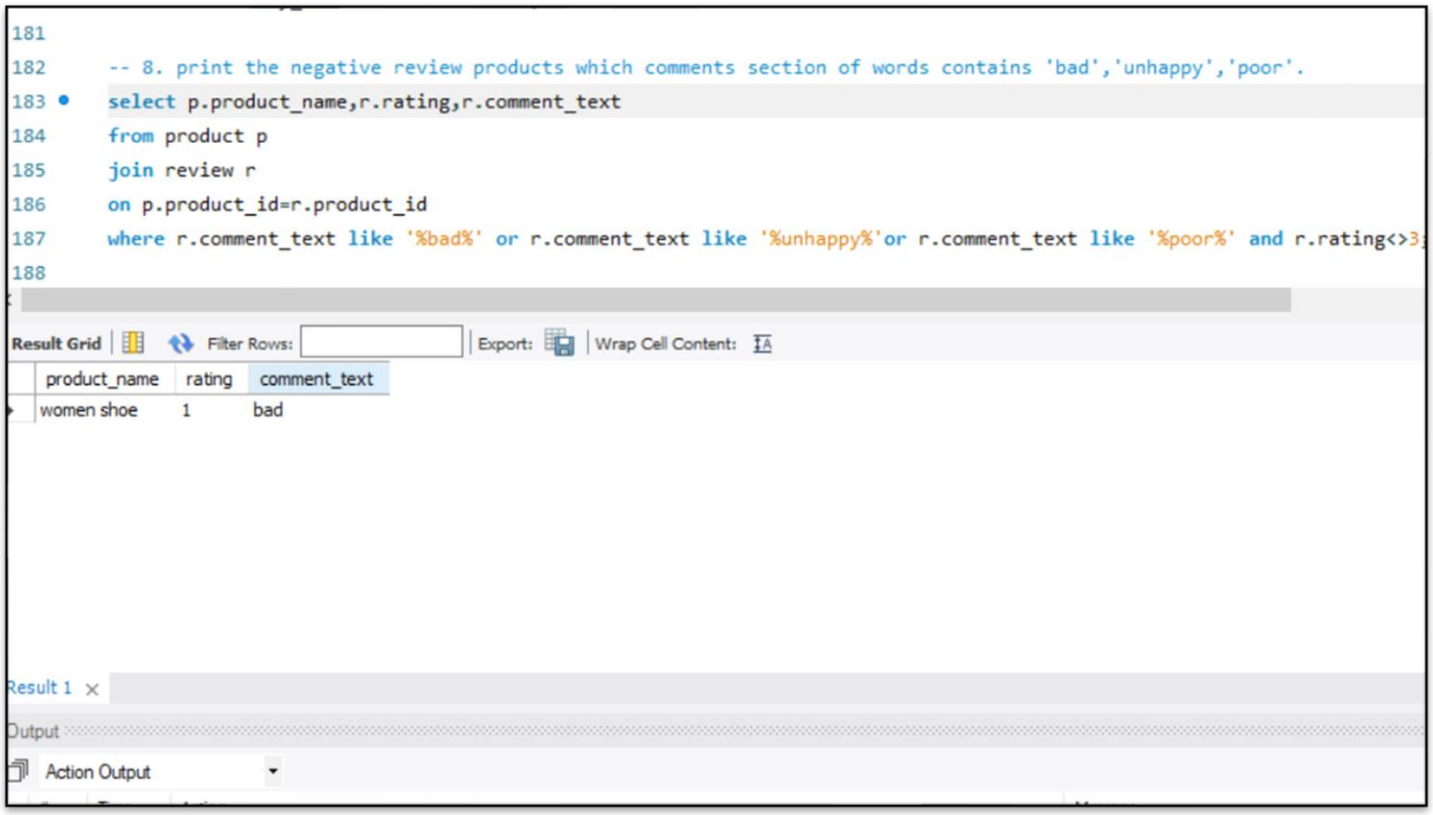
cust_id	first_name	last_name	contact_no	address	sex
1	Nisha	patil	8149255465	jalgoan	F
1	Nisha	patil	8149255465	jalgoan	F
2	Prachi	chaudhari	8208411456	Pune	F
7	Manan	sharma	9925685465	kalyan	M

Result 16

8. print the negative review products which comments section of words contains 'bad','unhappy','poor'.

```
select p.product_name,r.rating,r.comment_text
 from product p
 join review r
 on p.product_id=r.product_id
 where r.comment_text like '%bad%' or r.comment_text like '%unhappy%'or
```

r.comment_text like '%poor%'
and r.rating<>3;



9. print the top 5 customers name who has more orders.

```
select c.cust_id,c.first_name,c.last_name, count(o.cust_id ) as order_count
 from customer c left join orders o on
 c.cust_id = o.cust_id
 group by c.cust_id
 order by order_count desc limit 5;
```

```
188
189     -- 9. print the top 5 customers name who has more orders.
190 •   select c.cust_id,c.first_name,c.last_name, count(o.cust_id ) as order_count
191     from customer c left join orders o on
192     c.cust_id = o.cust_id
193     group by c.cust_id
194     order by order_count desc limit 5;
195
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

cust_id	first_name	last_name	order_count
1	Nisha	patil	2
2	Prachi	chaudhari	2
3	Nikhil	deshmukh	1
4	Jija	deshmukh	1
5	Meet	Mahajan	1

Result 2

10. print the customer list whos delivery address and customer address are same.

```
SELECT c.*
 FROM customer c
 right JOIN orders o ON c.cust_id = o.cust_id
 WHERE o.delivery_address = c.address;
```

```
195
196     -- 10. print the customer list whos delivery address and customer address are same.
197 •   SELECT c.*
198     FROM customer c
199     right JOIN orders o ON c.cust_id = o.cust_id
200     WHERE o.delivery_address = c.address;
201
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

cust_id	first_name	last_name	contact_no	address	sex
2	Prachi	chaudhari	8208411456	Pune	F
3	Nikhil	deshmukh	8549255463	jamner	M
4	Jija	deshmukh	9657209083	banglore	F
5	Meet	Mahajan	9867275589	nerul	M
6	Prashant	Dalvi	8149255325	badlapur	M
8	Prisha	gupta	9823568741	ratnagiri	F

Result 6

11. upadate customer first_name ="Ashu" to Manan and city='kalyan'

```
update customer set first_name='Manan' ,Address='kalyan' where cust_id=7;
select * from customer;
```

```
201
202     -- 11. upadate customer first_name ="Ashu" to Manan and city='kalyan'
203 •   update customer set first_name='Manan' ,Address='kalyan' where cust_id=7;
204 •   select * from customer;
205
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

cust_id	first_name	last_name	contact_no	address	sex
1	Nisha	patil	8149255465	jalgoan	F
2	Prachi	chaudhari	8208411456	Pune	F
3	Nikhil	deshmukh	8549255463	jamner	M
4	Jija	deshmukh	9657209083	banglore	F
5	Meet	Mahajan	9867275589	nerul	M
6	Prashant	Dalvi	8149255325	badlapur	M
7	Manan	sharma	9925685465	kalyan	M
8	Prisha	gupta	9823568741	ratnagiri	F
NULL	NULL	NULL	NULL	NULL	NULL

customer 1 ×

Output

like operator

12. display name of the customer table whose name have 'RA' in between

```
select * from customer where first_name like '%ra%';
select * from customer where last_name like 'D%';
select * from customer where address like "%e";
```

select *from product where product_name like"___s%";

```
207     -- like operator
208     -- 12. display name of the customer table whose name have 'RA' in between
209 •   select * from customer where first_name like '%ra%';
210 •   select * from customer where last_name like 'D%';
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Co

cust_id	first_name	last_name	contact_no	address	sex
2	Prachi	cha chaudhari	8411456	Pune	F
6	Prashant	Dalvi	8149255325	badlapur	M
NULL	NULL	NULL	NULL	NULL	NULL

customer 2

```
210 •   select * from customer where last_name like 'D%';
211 •   select * from customer where address like "%e";
```

Result Grid | Filter Rows: | Edit: | Export/Import:

cust_id	first_name	last_name	contact_no	address	sex
3	Nikhil	deshmukh	8549255463	jamner	M
4	Jija	deshmukh	9657209083	banglore	F
6	Prashant	Dalvi	8149255325	badlapur	M
NULL	NULL	NULL	NULL	NULL	NULL

customer 3

```
211 •  select * from customer where address like "%e";
212 •  select *from product where product_name like"___s%";
```

Result Grid | Filter Rows: | Edit: | Export/Import:

cust_id	first_name	last_name	contact_no	address	sex
2	Prachi	chaudhari	8208411456	Pune	F
4	Jija	deshmukh	9657209083	banglore	F
NULL	NULL	NULL	NULL	NULL	NULL

customer 4 ×

```
212 •  select *from product where product_name like"___s%";
213
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

product_id	product_name	decription	price	image_url	qauntity
101	jins	mens loose fit jins	2015	https://www.myntra.com/jeans/powerlook/pow...	1
103	dress	infanant girl cotton dress	999	https://www.myntra.com/dresses/cherry+%2...	1
104	lipstick	lakme matt lipstick	350	https://www.myntra.com/lipstick/lakme/lakme-...	4
108	mens perfum	long lasting Eau de Parfum - 90 ml	7800	https://www.myntra.com/perfume/viktor%26ro...	2
NULL	NULL	NULL	NULL	NULL	NULL

product 5 ×

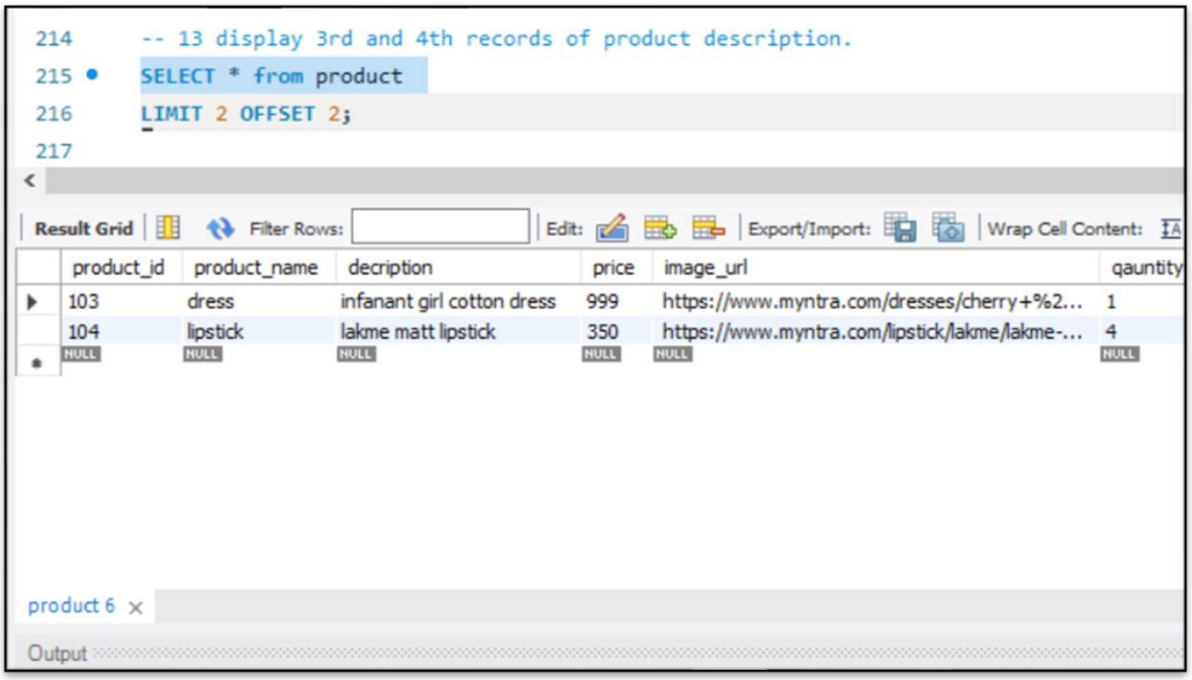
Output

Action Output

#	Time	Action	Message
4	11:28:20	select * from customer where first_name like '%ra%' LIMIT 0, 10	2 row(s) retu

13 display 3rd and 4th records of product description.

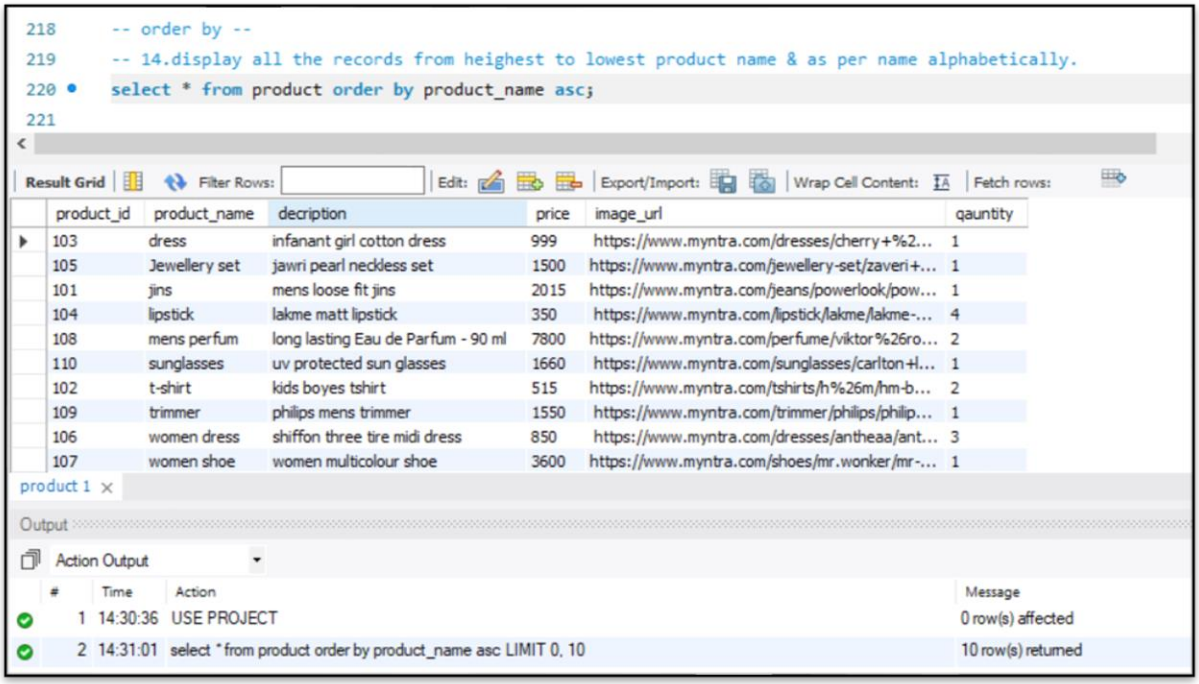
```
SELECT * from product
LIMIT 2 OFFSET 2;
```



order by

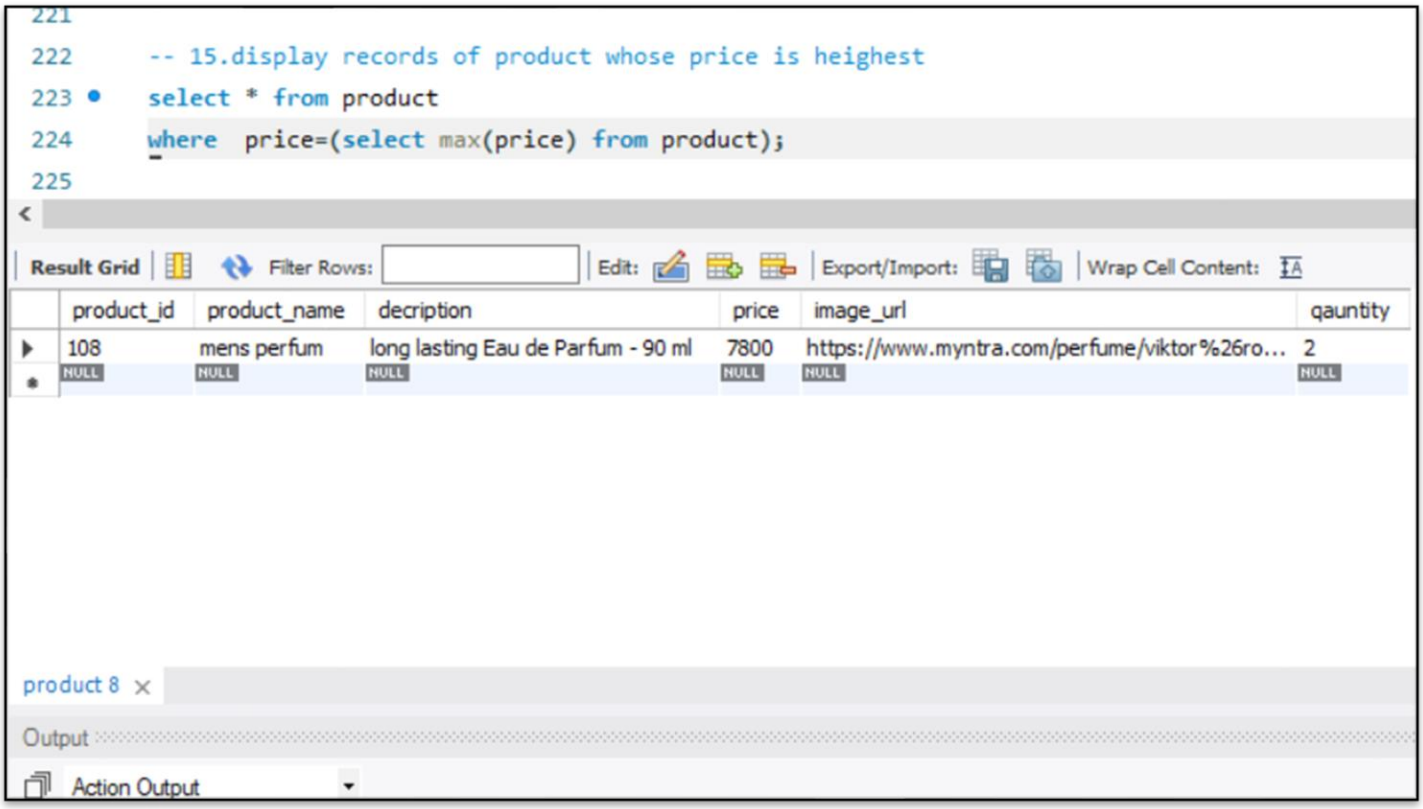
14.display all the records from heighest to lowest product name & as per name alphabetically.

```
select * from product order by product_name asc;
```



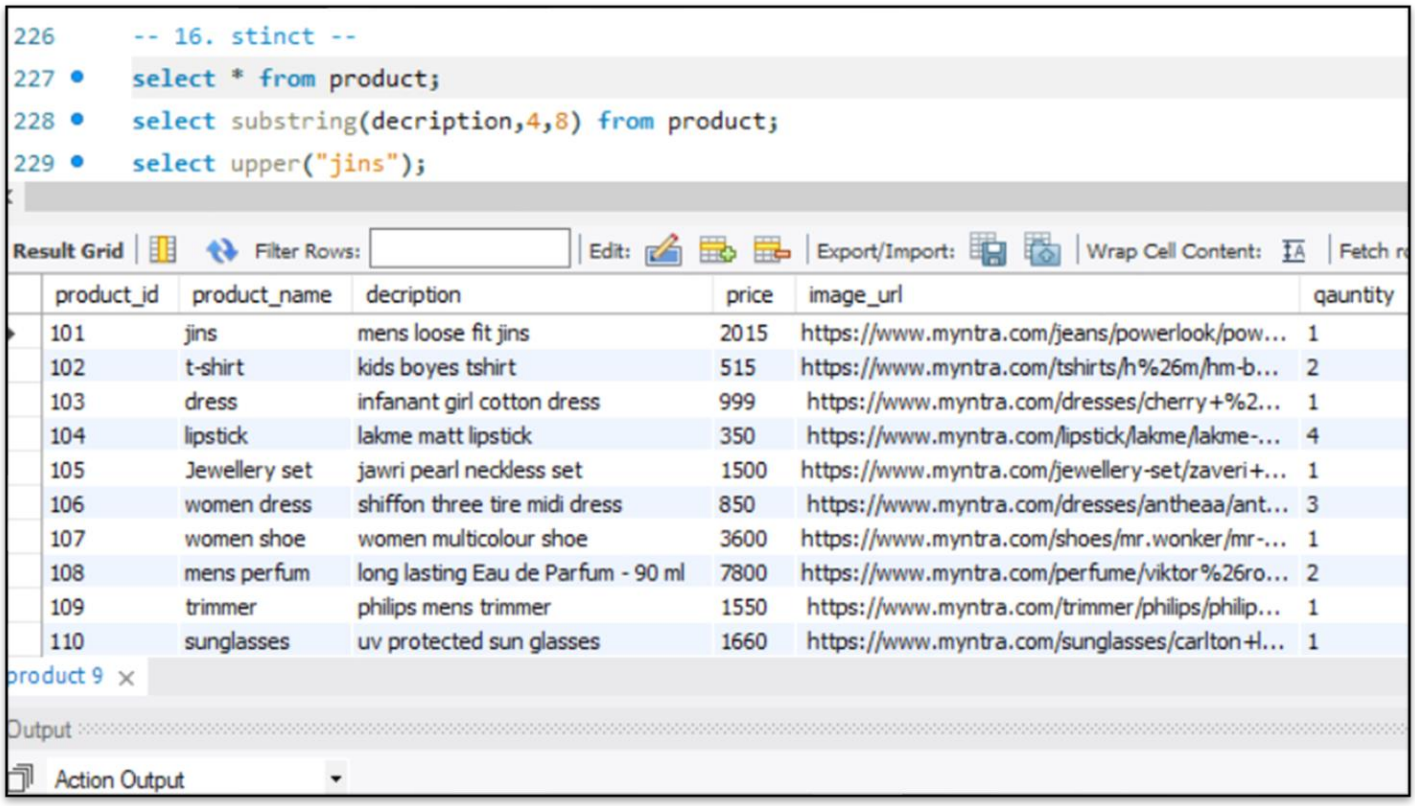
15.display records of product whose price is heighest

select * from product where price=(select max(price) from product);



16. strinct –

```
select * from product;
select substring(decription,4,8) from product;
select upper("jins");
 select lower("jins");
 select replace(" diamond Jewellery set","jewwllery"," set");
```



```
226     -- 16. stinct --
227 •   select * from product;
228 •   select substring(decription,4,8) from product;
229 •   select upper("jins");
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch r

product_id	product_name	decription	price	image_url	qauntity
101	jins	mens loose fit jins	2015	https://www.myntra.com/jeans/powerlook/pow...	1
102	t-shirt	kids boyes tshirt	515	https://www.myntra.com/tshirts/h%26m/hm-b...	2
103	dress	infanant girl cotton dress	999	https://www.myntra.com/dresses/cherry+%2...	1
104	lipstick	lakme matt lipstick	350	https://www.myntra.com/lipstick/lakme/lakme-...	4
105	Jewellery set	jawri pearl neckless set	1500	https://www.myntra.com/jewellery-set/zaveri+...	1
106	women dress	shiffon three tire midi dress	850	https://www.myntra.com/dresses/antheaa/ant...	3
107	women shoe	women multicolour shoe	3600	https://www.myntra.com/shoes/mr.wonker/mr-...	1
108	mens perfum	long lasting Eau de Parfum - 90 ml	7800	https://www.myntra.com/perfume/viktor%26ro...	2
109	trimmer	philips mens trimmer	1550	https://www.myntra.com/trimmer/philips/philip...	1
110	sunglasses	uv protected sun glasses	1660	https://www.myntra.com/sunglasses/carlton+l...	1

product 9 ×

Output

Action Output

```
228 •  select substring(decription,4,8) from product;
229 •  select upper("jins");
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch

substring(decription,4,8)
s loose
s boyes
anant gi
me matt
ri pearl
ffon thr
en multi
g lastin
lips men
protecte

Result 10 ×

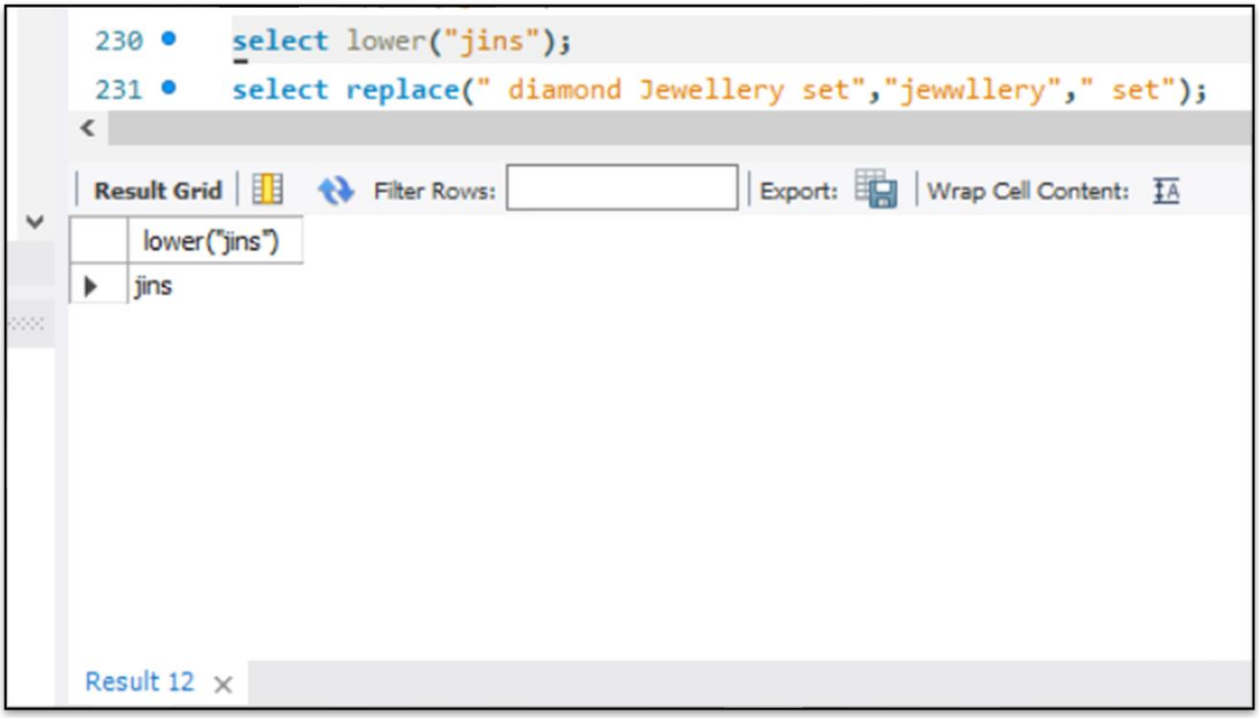
```
229 •  select upper("jins");
230 •  select lower("jins");
231 •  select replace(" diamond Jewellery set","jewwllery"," set");
```

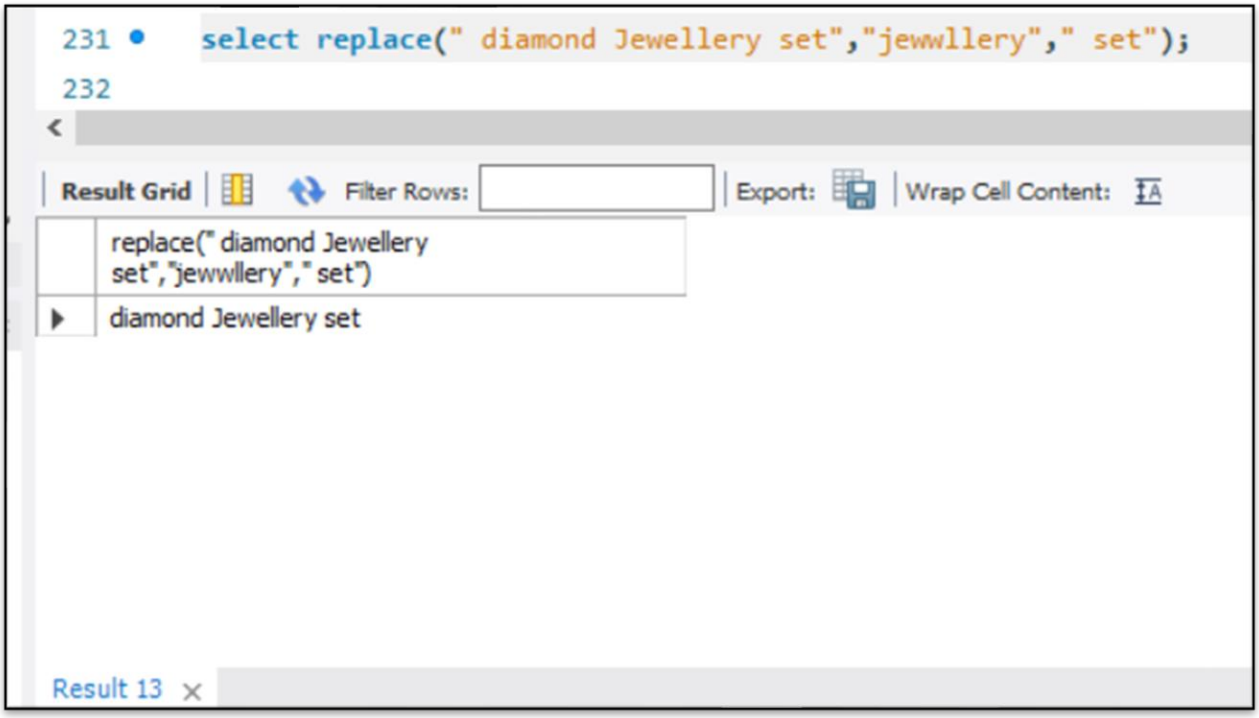
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

upper("jins")
JINS

Result 11 ×

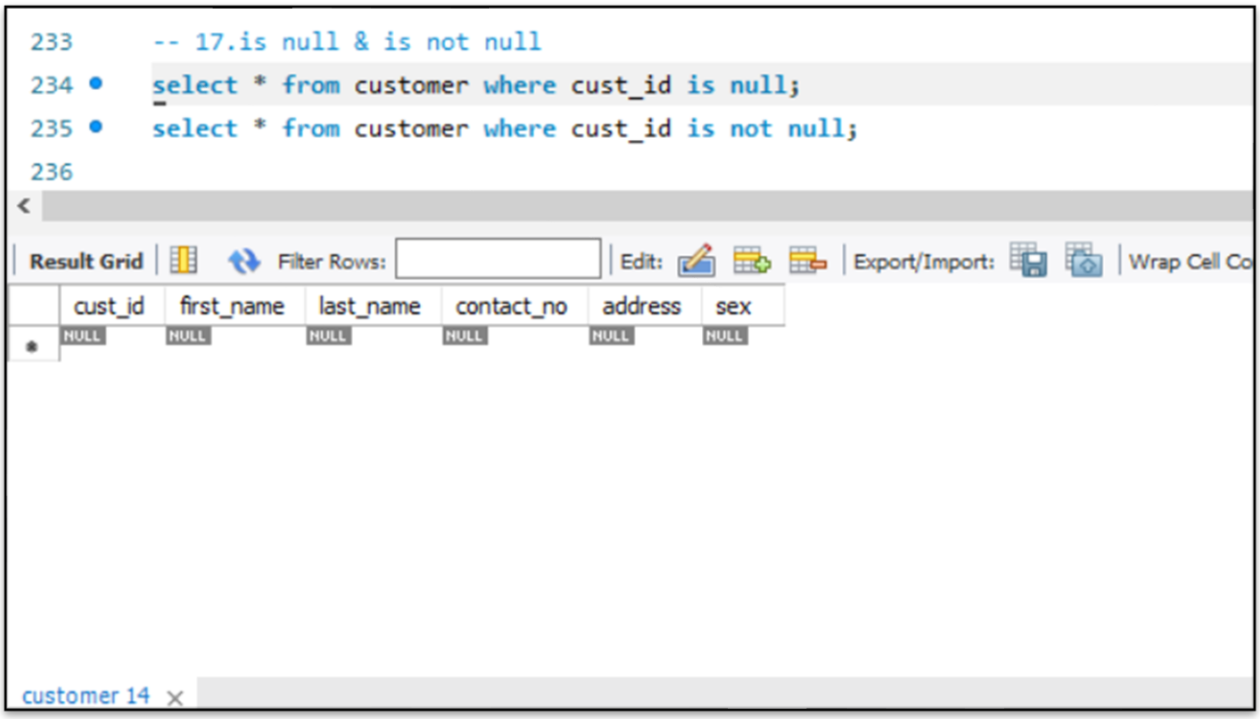
Output


230 select lower("jins");
231 select replace(" diamond Jewellery set","jewwllery"," set");
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
lower("jins")
jins
Result 12

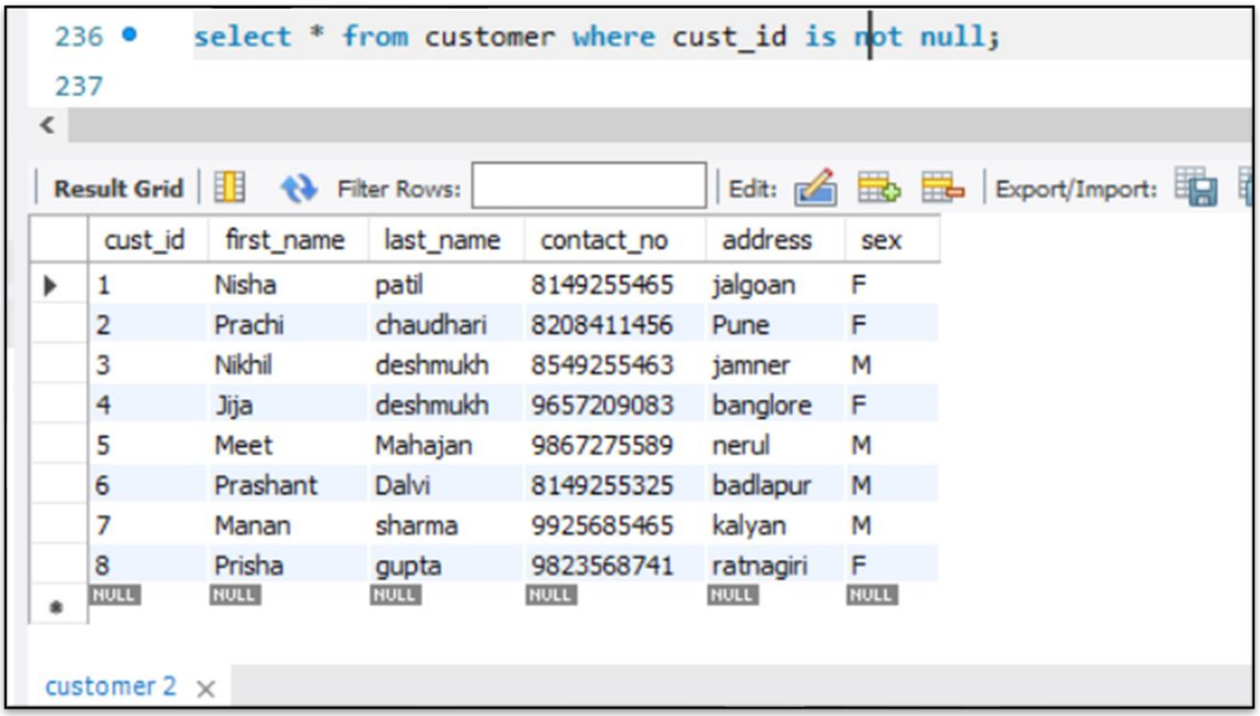

231 select replace(" diamond Jewellery set","jewwllery"," set");
232
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
replace(" diamond Jewellery set","jewwllery"," set")
diamond Jewellery set
Result 13

17.Is null & is not null

select * from customer where cust_id is null;

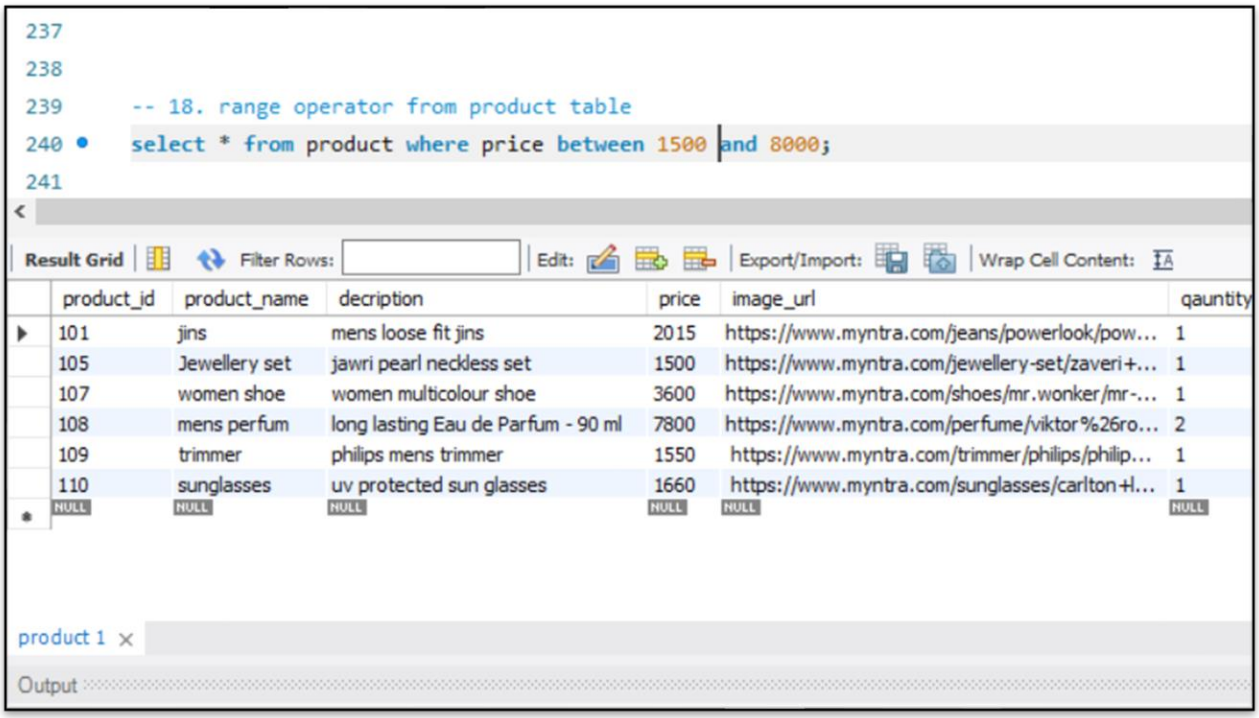


select * from customer where cust_id is not null;



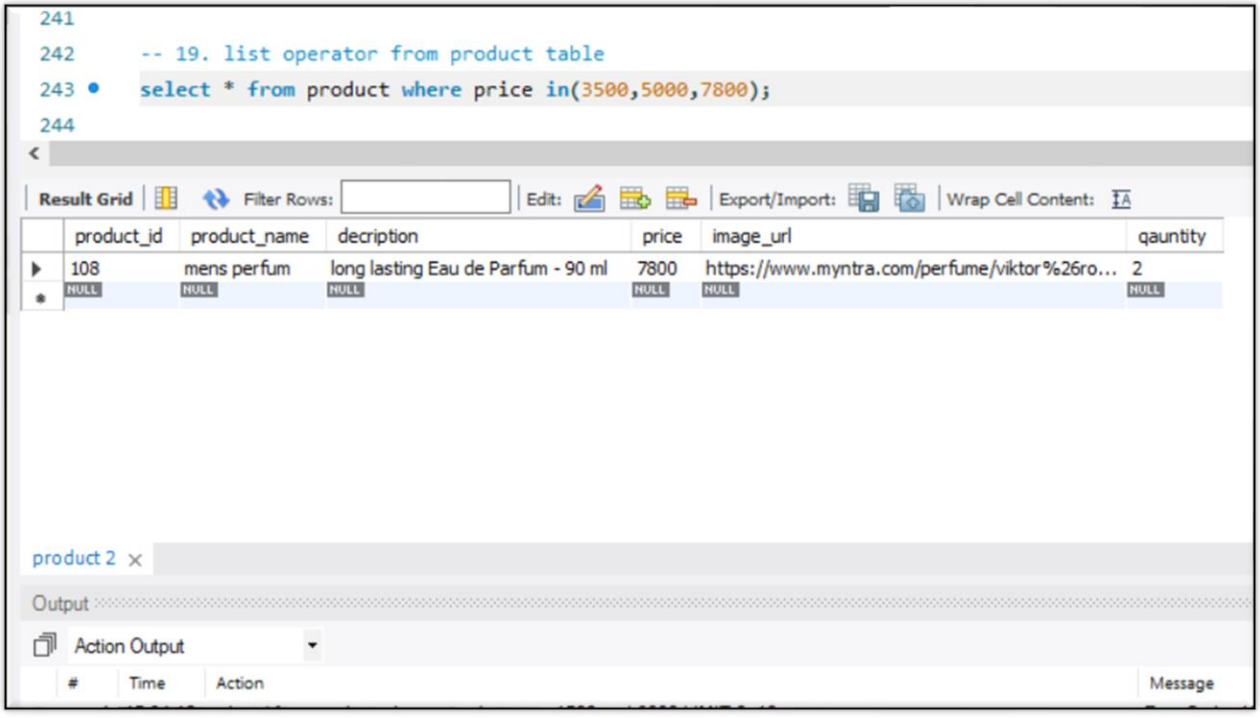
18. range operator from product table

select * from product where price between 1500 and 8000;



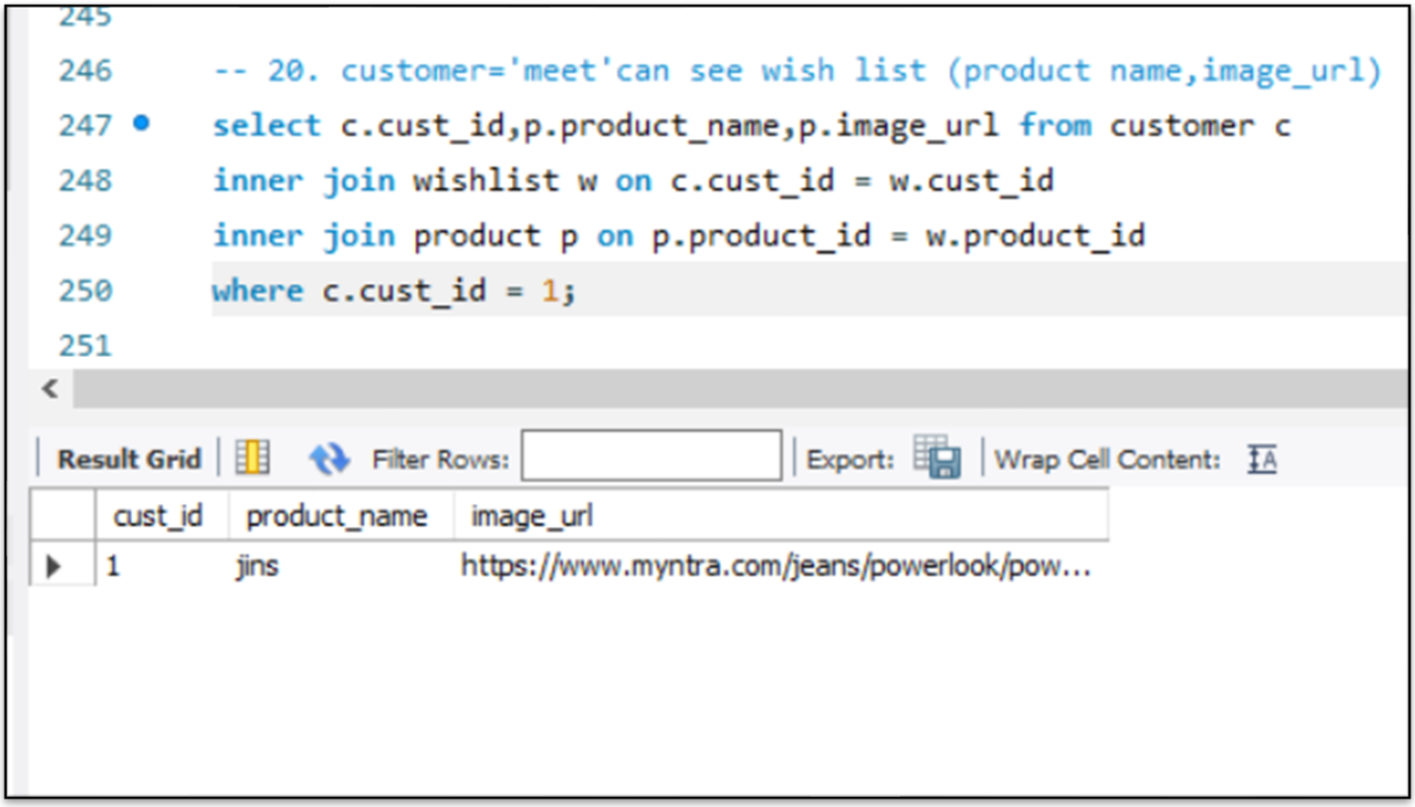
19. list operator from product table

select * from product where price in(3500,5000,7800);



20. customer='meet'can see wish list (product name,image_url)

```
select c.cust_id,p.product_name,p.image_url from customer c
 inner join wishlist w on c.cust_id = w.cust_id
 inner join product p on p.product_id = w.product_id
  where c.cust_id = 1;
```



21. customer = nikhil can see with cart (product name,image_url)

```
select c.cust_id,p.product_name,p.image_url from customer c
 inner join cart t on c.cust_id = t.cust_id
 inner join product p on p. product_id = t.product_id
 where c.cust_id = 3;
```