

# *Glamour & Data: A Cosmetics Store DBMS*

---



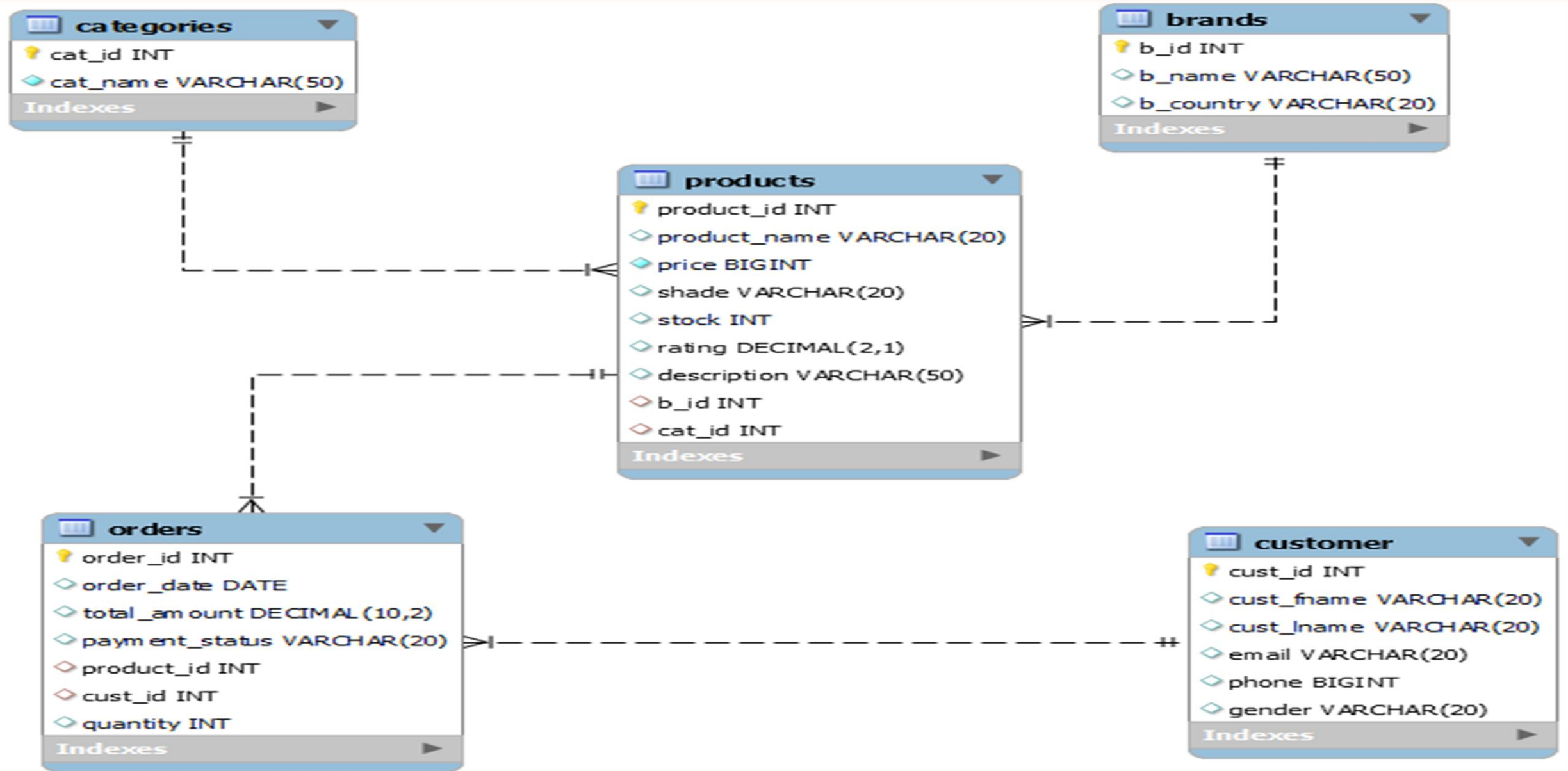
1408439145

# ABSTRACT

This Makeup Management System helps manage customers, products, orders, brands, and categories using a database. It stores and organizes all records efficiently with the help of SQL. The system makes it easy to track sales, manage inventory, and handle customer data — all in one place.



# ER-DIAGRAM



# STRUCTURE OF TABLE

## CUSTOMER TABLE

THIS TABLE CONTAINS  
THE CUSTOMER  
INFORMATION.

QUERY: **DESC CUSTOMER;**

Field	Type	Null	Key	Default
cust_id	int	NO	PRI	NULL
cust_fname	varchar(20)	YES		NULL
cust_lname	varchar(20)	YES		NULL
email	varchar(20)	YES		abc@gmail.com
phone	bigint	YES		NULL
gender	varchar(20)	YES		NULL



# STRUCTURE OF TABLE

## BRANDS TABLE

THIS TABLE CONTAINS  
THE BRANDS  
INFORMATION.

QUERY: **DESC BRANDS;**

Result Grid							Filter Rows:		Export:
	Field	Type	Null	Key	Default				
▶	b_id	int	NO	PRI	NULL				
	b_name	varchar(50)	YES		NULL				
	b_country	varchar(20)	YES		NULL				

# STRUCTURE OF TABLE

## ORDERS TABLE

THIS TABLE CONTAINS THE ORDERS INFORMATION.

QUERY: **DESC ORDERS;**

Result Grid						
Filter Rows:						
	Field	Type	Null	Key	Default	E
	order_id	int	NO	PRI	NULL	
	order_date	date	YES		NULL	
	total_amount	decimal(10,2)	YES		NULL	
	payment_status	varchar(20)	YES		NULL	
	product_id	int	YES	MUL	NULL	
	cust_id	int	YES	MUL	NULL	
	quantity	int	YES		1	

## PRODUCTS TABLE

THIS TABLE CONTAINS THE PRODUCTS INFORMATION.

QUERY: **DESC PRODUCTS;**

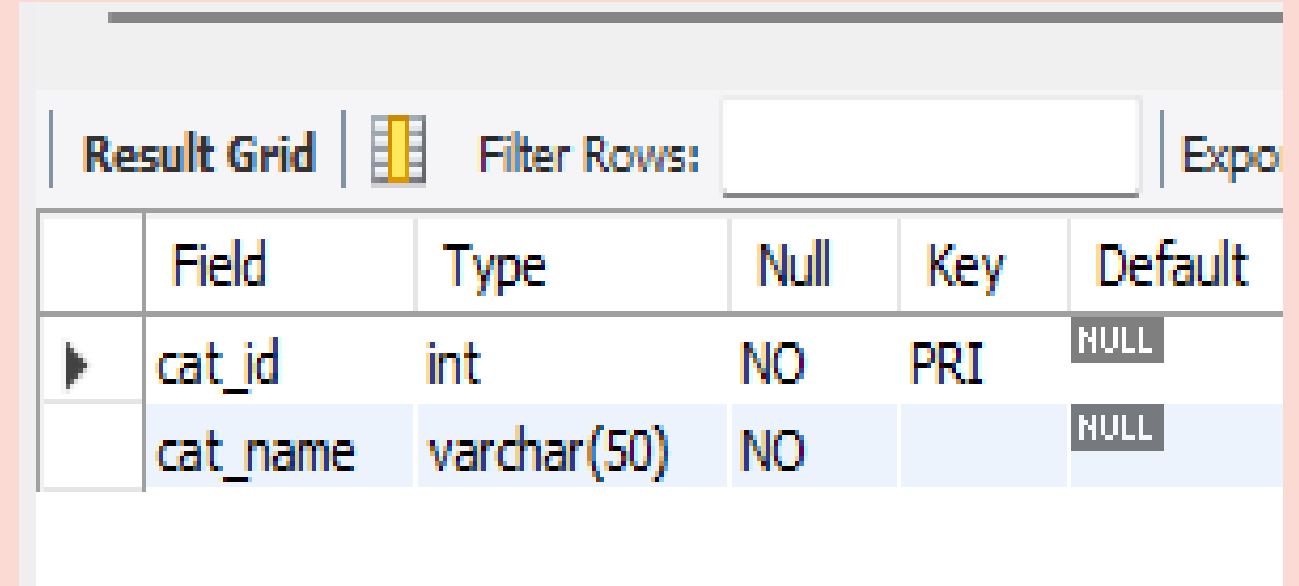
Result Grid					
Filter Rows:					
	Field	Type	Null	Key	Default
▶	product_id	int	NO	PRI	NULL
	product_name	varchar(20)	YES		NULL
	price	bigint	NO		NULL
	shade	varchar(20)	YES		NULL
	stock	int	YES		NULL
	rating	decimal(2,1)	YES		NULL
	description	varchar(50)	YES		NULL
	b_id	int	YES	MUL	NULL
	cat_id	int	YES	MUL	NULL

# STRUCTURE OF TABLE

## CATEGORY TABLE

THIS TABLE CONTAINS THE CATEGORIES INFORMATION.

QUERY: DESC CATEGORIES;

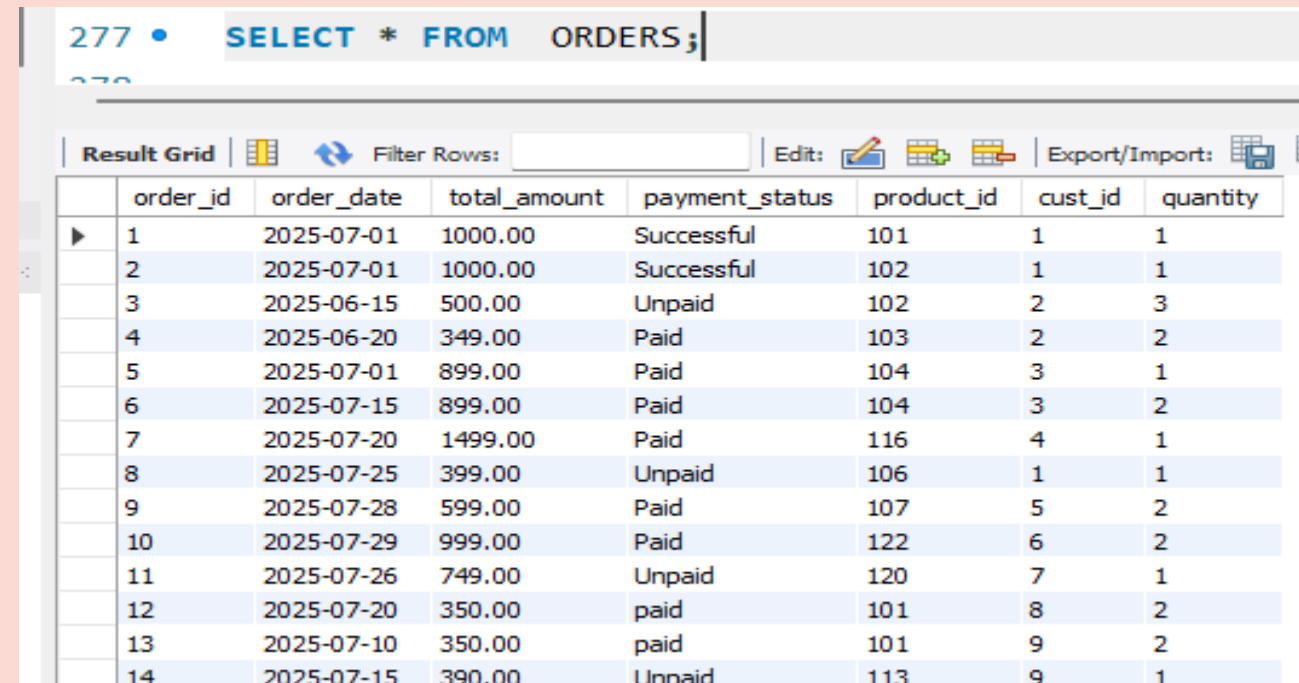


The screenshot shows a database interface with a 'Result Grid' tab. Above the table, there is a 'Filter Rows' input field and an 'Export' button. The table has six columns: 'Field', 'Type', 'Null', 'Key', and 'Default'. The first row shows 'cat\_id' as an 'int' type, 'NO' for null, 'PRI' for key, and 'NULL' for default. The second row shows 'cat\_name' as a 'varchar(50)' type, 'NO' for null, and 'NULL' for default.

	Field	Type	Null	Key	Default
►	cat_id	int	NO	PRI	NULL
	cat_name	varchar(50)	NO		NULL

## CONTENTS OF TABLE

## ORDERS TABLE



The screenshot shows a database interface with a query editor at the top containing the text 'SELECT \* FROM ORDERS;'. Below the editor is a 'Result Grid' tab. Above the table, there is a 'Filter Rows' input field, an 'Edit' button, and an 'Export/Import' button. The table has eight columns: 'order\_id', 'order\_date', 'total\_amount', 'payment\_status', 'product\_id', 'cust\_id', and 'quantity'. The table contains 14 rows of data.

	order_id	order_date	total_amount	payment_status	product_id	cust_id	quantity
►	1	2025-07-01	1000.00	Successful	101	1	1
	2	2025-07-01	1000.00	Successful	102	1	1
	3	2025-06-15	500.00	Unpaid	102	2	3
	4	2025-06-20	349.00	Paid	103	2	2
	5	2025-07-01	899.00	Paid	104	3	1
	6	2025-07-15	899.00	Paid	104	3	2
	7	2025-07-20	1499.00	Paid	116	4	1
	8	2025-07-25	399.00	Unpaid	106	1	1
	9	2025-07-28	599.00	Paid	107	5	2
	10	2025-07-29	999.00	Paid	122	6	2
	11	2025-07-26	749.00	Unpaid	120	7	1
	12	2025-07-20	350.00	paid	101	8	2
	13	2025-07-10	350.00	paid	101	9	2
	14	2025-07-15	390.00	Unpaid	113	9	1

# CONTENTS OF TABLE

## CUSTOMER TABLE

```
263 • SELECT * FROM CUSTOMER;  
264
```

Result Grid						
Filter Rows:						
	cust_id	cust_fname	cust_lname	email	phone	gender
▶	1	sakshi	pawar	sakshi@gmail.com	9999999999	Female
	2	John	patil	john@gmail.com	9999999999	Male
	3	Neha	Sharma	abc@gmail.com	9999999998	Female
	4	Manasi	Yadav	Manasi@gmail.com	9822526578	Female
	5	Soham	Singh	soham@gmail.com	9999999997	Male
	6	Johny	rao	rao@gmail.com	9999999996	Male
	7	Simaran	patil	abc@gmail.com	9999999956	Female
	8	Mayur	pawar	mayur@gmail.com	9999999992	Male
	9	Ram	Kapoor	ram@gmail.com	9850469312	Male

## BRANDS TABLE

```
270 • SELECT * FROM brands;
```

Result Grid			
Filter Rows:			
	b_id	b_name	b_country
▶	1	Loreal	France
	2	Maybelline	USA
	3	Nivea	Germany
	4	Dyson	UK
	5	Bella vita	Australia
•	NULL	NULL	NULL



# CONTENTS OF TABLE

## PRODUCTS TABLE

280 • SELECT \* FROM PRODUCTS;

Result Grid

	product_id	product_name	price	shade	stock	rating	description	b_id	cat_id
	105	powder blush	649	Coral crush	18	4.5	coral crush blush	2	2
	106	Keratin Shampoo	399	null	40	4.0	Smoothens and nourishes hair	1	1
	107	Argan Hair Serum	599	Transparent	25	4.7	Adds shine and reduces frizz	1	1
	108	Coconut Hair Oil	209	Natural	50	4.3	Deep nourishment for dry hair	1	1
	109	Volume Hair Spray	349	Clear	30	4.4	Provides lift and volume	1	1
	110	Repair Protect Mask	699	White	20	4.6	Strengthens damaged hair	1	1
	111	Serum	749	clar	35	4.8	Brightens skin	3	3
	112	Moisturizer	149	light blue	40	4.7	Provides all-day hydration	3	3
	113	SPF 50+ Sunscreen	399	white	50	4.3	Broad-spectrum UV protection	3	3
	114	Clay Face Mask	449	charcoal	25	4.4	Deep cleanses pores	3	3
	115	Aloe Vera Skin Gel	299	Green	60	4.7	Soothes and cools skin	3	3
	116	Hair Straightener	1499	pink	15	4.6	Smoothens hair	4	4
	117	Ionic Hair Dryer	1799	light blue	40	4.7	Fast drying	4	4
	118	Dyson	50000	rose gold	10	5.0	All hair style	4	4
	119	Facial Steamer	999	white	15	4.4	Deep cleanses pores	4	4
	120	Eyebrow Trimmer	749	silver	18	4.3	Precision trimming	4	4
	121	Floral Eau De	1299	light pink	25	4.6	Long-lasting	5	5
	122	Musk Body Mist	1799	light blue	40	4.4	Soft and refreshing	5	5
	123	Oud Luxury Perfume	50000	rose gold	10	4.5	Rich oriental scent	5	5
	124	Fresh Deodorant	999	white	30	4.2	Energizing citrus	5	5
	125	Rose Infused	749	silver	20	4.7	Natural perfume oil	5	5
	126	Pure Matte Lipstick	500	NULL	NULL	4.1	NULL	2	NULL
	127	moisturizer	200	NULL	NULL	NULL	NULL	2	NULL

## CATEGORY TABLE

272 • SELECT \* FROM CATEGORIES;

Result Grid

	cat_id	cat_name
▶	1	Hair
	2	Makeup
	3	Skincare
	4	Appliances
	5	Fragrance
⊙	NULL	NULL

# SUBQUERIES



# SUBQUERY

1. Find the customer who has spent the most overall on orders.

```
SELECT * FROM customer WHERE cust_id = ( SELECT cust_id FROM orders GROUP BY cust_id ORDER BY sum(total_amount) DESC LIMIT 1);
```

Result Grid						
Filter Rows:						
Edit:						
Export/Import						
	cust_id	cust_fname	cust_lname	email	phone	gender
▶	1	sakshi	pawar	sakshi@gmail.com	9999999999	Female
⊞	NULL	NULL	NULL	NULL	NULL	NULL

2. name of the category that has the highest number of orders.

```
SELECT cat_name FROM categories WHERE cat_id = ( SELECT cat_id FROM products WHERE product_id = ( SELECT product_id FROM orders GROUP BY product_id ORDER BY COUNT(product_id) DESC LIMIT 1 ));
```


Result Grid		
Filter		
	cat_id	cat_name
▶	2	Makeup
⊞	NULL	NULL


# SUBQUERY

3. Get the names of customers who have only ordered products from the "makeup" category.

```
select * from customer where cust_id in  
(select cust_id from orders where  
product_id in (select product_id from  
products where cat_id in(select cat_id from  
categories where cat_name='Makeup')));
```


Result Grid







Filter Rows:

Edit:










Export/Import

	cust_id	cust_fname	cust_lname	email	phone	gender
▶	1	sakshi	pawar	sakshi@gmail.com	9999999999	Female
	8	Mayur	pawar	mayur@gmail.com	9999999992	Male
	9	Ram	Kapoor	ram@gmail.com	9850469312	Male
	2	John	patil	john@gmail.com	9999999999	Male
	3	Neha	Sharma	abc@gmail.com	9999999998	Female
⬇	NULL	NULL	NULL	NULL	NULL	NULL

# SUBQUERY

## 4. highest selling product name

```
SELECT product_name,price,rating FROM
products WHERE product_id = ( SELECT
product_id FROM orders GROUP BY
product_id ORDER BY SUM(quantity)
DESC LIMIT 1);
```

Result Grid     Filter Rows: <input data-bbox="2288 229 2405 372" type="text"/>			
	product_name	price	rating
	Matte lipstick	350	4.5

# JOINS





# JOINS

1. products name with brand name & category name


```
select  
products.product_name, categories.cat_name,  
brands.b_name from products join  
categories on  
products.cat_id=categories.cat_id join  
brands on products.b_id=brands.b_id;
```

Result Grid				Filter Rows:	Ex
	product_name	cat_name	b_name		
▶	Keratin Shampoo	Hair	Loreal		
	Argan Hair Serum	Hair	Loreal		
	Coconut Hair Oil	Hair	Loreal		
	Volume Hair Spray	Hair	Loreal		
	Repair Protect Mask	Hair	Loreal		
	Matte lipstick	Makeup	Maybelline		
	liquid foundation	Makeup	Maybelline		
	cream blush	Makeup	Maybelline		
	HD foundation	Makeup	Maybelline		
	powder blush	Makeup	Maybelline		
	Serum	Skincare	Nivea		
	Moisturizer	Skincare	Nivea		

# JOINS

2. List all products, even if they were never ordered

Select  
products.product\_id,products.product\_name,products.price  
,orders.order\_date,orders.total\_amount  
from orders right join products on  
orders.product\_id=products.product\_id;

Result Grid    Filter Rows: <input type="text"/>   Export:    Wrap					
	product_id	product_name	price	order_date	total_amount
▶	101	Matte lipstick	350	2025-07-01	1000.00
	101	Matte lipstick	350	2025-07-20	350.00
	101	Matte lipstick	350	2025-07-10	350.00
	102	liquid foundation	500	2025-07-01	1000.00
	102	liquid foundation	500	2025-06-15	500.00
	103	cream blush	349	2025-06-20	349.00
	104	HD foundation	899	2025-07-01	899.00
	104	HD foundation	899	2025-07-15	899.00
	105	powder blush	649	NULL	NULL
	106	Keratin Shampoo	399	2025-07-25	399.00
	107	Argan Hair Serum	599	2025-07-28	599.00
	108	Coconut Hair Oil	209	NULL	NULL
	109	Volume Hair Spray	349	NULL	NULL
	110	Repair Protect M...	699	NULL	NULL
	111	Serum	749	NULL	NULL
	112	Moisturizer	149	NULL	NULL
	113	SPF 50+ Sunscr...	399	2025-07-15	390.00
	114	Clay Face Mask	449	NULL	NULL
	115	Aloe Vera Skin Gel	299	NULL	NULL
	116	Hair Straightener	1499	2025-07-20	1499.00
	117	Ionic Hair Dryer	1799	NULL	NULL
	118	Dyson	50000	NULL	NULL
	119	Facial Steamer	999	NULL	NULL

# JOINS

## 3. number of orders placed for each category.

```
select categories.cat_name as category
,count(orders.order_id) as
number_of_orders from orders join
products on
orders.product_id=products.product_id join
categories on
products.cat_id=categories.cat_id group by
categories.cat_name;
```

Result Grid			Filter Rows:
	category	number_of_orders	
▶	Makeup	8	
	Hair	2	
	Skincare	1	
	Appliances	2	
	Fragrance	1	

# JOINS

4. Show all customers and their orders, even if the customer/order data doesn't match.

```
select
customer.cust_fname,customer.cust_lname
,orders.order_date,orders.total_amount
from orders right join customer on
orders.cust_id=customer.cust_id
Union
select customer.cust_fname
,customer.cust_lname,orders.order_date,or
ders.total_amount from customerleft join
orders on customer.cust_id=orders.cust_id;
```

Johny	rao	2025-07-29	999.00
Simaran	patil	2025-07-26	749.00
Mayur	pawar	2025-07-20	350.00
Ram	Kapoor	2025-07-10	350.00
Ram	Kapoor	2025-07-15	390.00
nita	yadav	NULL	NULL
natasha	NULL	NULL	NULL
Ramesh	Birla	NULL	NULL
Nitya	Roy	NULL	NULL
Maya	Singh	NULL	NULL
Sharvari	Mishra	NULL	NULL



THANK YOU

