



FURNITURE

For Family Comfort

Create a warm and welcoming atmosphere in your home with our functional and comfortable furniture

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SQL File 1b product_clean SQL File 4 SQL File 5 SQL File 6

Limit to 1000 rows

```

1 •  SELECT * FROM ecommerce.product_clean;
2
3

```

		originalPrice	price	sold	tagText	di
fabric Drawers Wardrobe Steel Frame Assembly Closet For Clothes Storage Display Cabinet Of Furniture	46.79	46.79	600	Free shipping	0	
ieces Patio Furniture, Wicker Patio Chair Sofa Set w/ Water-Resistant Dark-Brown Cushion & Tempered	169.72	169.72	0	Free shipping	0	
abric Drawers Organizer Storage Closet Chest Clothes For Living Room Display Cabinet Of Furniture	78.4	39.46	7	Free shipping	49	
pholstered Tufted Creative Furniture Sofa Couch Lounge Reading Chair for Living Room Home Decorative	111.99	111.99	0	Free shipping	0	
sk Household Wooden Minimalist Tea Table Wooden Minimalist Small Makeup Table Home Furniture	48.82	21.37	1	Free shipping	56	
utdoor Swivel Glider Rocker, Wicker Bistro Set with Rattan Rocking Chair, Glass Top Table	1294.04	123.4	53	Free shipping	90	
tdoor Couch with Glass Coffee Table and Two Pillows, Outdoor Sectional Conversation Set	198.31	198.31	1	Free shipping	0	
3-Piece Including Three-Seater, Loveseat and Single Chair,Dutch Velvet Upholstered Sofa Set	1474.17	734.58	5	Free shipping	50	
With 5 Fabric Drawers Organizer Storage Closet Chest Clothes Storage Display Cabinet Of Furniture	43.96	43.96	3	NULL	0	
Wicker Patio Furniture Outdoor Sectional Patio Couch Outdoor Coffee Table,Khaki	233.3	233.3	0	Free shipping	0	
utdoor Rattan Woven Conversation Sectional L-Shaped Sofa with 5 Seater for Backyard	244.17	244.17	1	Free shipping	0	
floor sofa modular furniture for adults, Playhouse play set toddlers babies, Modular	238.18	238.18	0	Free shipping	0	
Furniture Sets with Egg Chair and Ice Bucket, Small L Shape Wicker Conversation Sectional Sofa	495.8	495.8	0	Free shipping	0	
Solid Eucalyptus Wood Frame Outdoor Wicker Furniture Set Bistro Set with Coffee Table	117.66	117.66	0	Free shipping	0	
me furniture hotel bedroom lounge chair living room accent chair	978.88	978.88	0	Free shipping	0	
sible Sectional Sleeper Sectional Sofa with Storage Chaise in Dark Gray Fabric, free shipping	440.94	440.94	0	Free shipping	0	
Rattan Sofa Set, Outdoor Conversation Set with Tempered Glass Tabletop, Outdoor Furniture Sets	183.3	183.3	0	Free shipping	0	
ture with 6 Stackable Textilene Chairs and Large Table for Yard, Garden Porch and Poolside, Grey	60.28	60.28	4	Free shipping	0	
Outdoor Sectional Wicker Rattan Furniture with Cushion and Glass Table Patio Conversation	376.5	376.5	0	Free shipping	0	
uch Sofa. Fabric Upholstered 2-Seat Sofa. Love Seat Furniture with 2 Pillows. Wood Leg Sofas	204.93	204.93	0	Free shipping	0	



Limit to 1000 rows



```
liscount_level ,  
l) as Total_sold  
commerce.product_clean  
, discount_level order by Total_sold desc;
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content

	discount_level	Total_sold
▶	50-75%	24926
	No Discount	11844
	25-50%	7073
	0-25%	2252
	75-100%	892

```
update ecommerce.product_clean  
set title_Wordcount = length(productTitle)- length(replace(productTitle, ' ', '')) +1;
```

```
SELECT productTitle, title_Wordcount  
FROM ecommerce.product_clean  
LIMIT 10;
```

productTitle	title_Wordcount
Dresser For Bedroom With 9 Fabric Drawers Wardrobe Steel Frame Assembly Closet For Clothes Storage Display Cabinet Of Furniture	19
Outdoor Conversation Set 4 Pieces Patio Furniture, Wicker Patio Chair Sofa Set w/ Water-Resistant Dark-Brown Cushion & Tempered	18
Desser For Bedroom With 7 Fabric Drawers Organizer Storage Closet Chest Clothes For Living Room Display Cabinet Of Furniture	19
Modern Accent Boude Chair,Upholstered Tufted Creative Furniture Sofa Couch Lounge Reading Chair for Living Room Home Decorative	17
Small Unit Simple Computer Desk Household Wooden Minimalist Tea Table Wooden Minimalist Small Makeup Table Home Furniture	17
3 Pieces Patio Furniture Set, Outdoor Swivel Glider Rocker, Wicker Bistro Set with Rattan Rocking Chair, Glass Top Table	19
5-Piece Patio Furniture Set Outdoor Couch with Glass Coffee Table and Two Pillows, Outdoor Sectional Conversation Set	17
Living Room Furniture, Modern 3-Piece Including Three-Seater, Loveseat and Single Chair,Dutch Velvet Upholstered Sofa Set	15
TV Stand Dresser For Bedroom With 5 Fabric Drawers Organizer Storage Closet Chest Clothes Storage Display Cabinet Of Furniture	19
Outdoor Furniture Set 3 Pieces Wicker Patio Furniture Outdoor Sectional Patio Couch Outdoor Coffee Table,Khaki	15

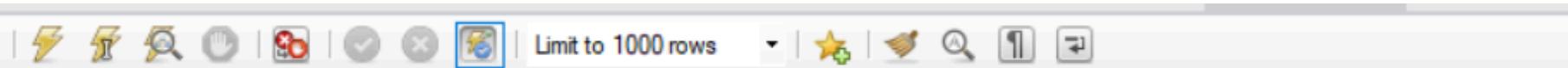
```
1 • alter table ecommerce.product_clean add column price_diff decimal(10,2);
2 • update ecommerce.product_clean
3   set price_diff = originalPrice - price ;
```

```
1      -- encode discount level
2 • alter table ecommerce.product_clean add column discount_level_num int ;
3   |
```

```
SQL FILE 10    product_clean    SQL FILE 4    SQL FILE 5    SQL FILE
1 • update ecommerce.product_clean
2 •     set discount_level_num = case discount_level
3       when 'No Discount' then 0
4       when '0-25%' then 1
5       when '25-50%' then 2
6       when '50-75%' then 3
7       when '75-100%' then 4
8 end;
```

```
• alter table ecommerce.product_clean
drop column product_category;
```

```
alter table ecommerce.product_clean add column product_category varchar(50);
update ecommerce.product_clean
set product_category=
case
    when productTitle like '%Dresser%' or productTitle like '%Wardrobe%' or productTitle like '%Chest%' then 'Bedroom Furniture'
    when productTitle like '%sofa%' or productTitle like '%couch%' or productTitle like '%Sectional%' then 'Living Room Furniture'
    when productTitle like '%patio%' or productTitle like '%Outdoor%' or productTitle like '%Wicker%' then 'Outdoor Furniture'
    when productTitle like '%Desk%' or productTitle like '%Table%' then 'Office/Home Furniture'
    when productTitle like '%chair%' and productTitle not like '%sofa%' and productTitle not like '%couch%' then 'Accent Chairs'
    else 'Home Decor Furniture'
end;
```



```
select productTitle,  
       case when product_category = 'Bedroom Furniture' then 1 else 0 end as bedroom_furniture,  
       case when product_category= 'Living Room Furniture' then 1 else 0 end as living_room_furniture,  
       case when product_category = 'Outdoor Furniture' then 1 else 0 end as outdoor_furniture,  
       case when product_category = 'Office/Home Furniture' then 1 else 0 end as office_home_furniture,  
       case when product_category = 'Accent Chairs' then 1 else 0 end as accent_chairs  
from ecommerce.product_clean;
```

		bedroom_furniture	living_room_furniture	outdoor_furniture	office_home_furniture	accent_chairs
▶	Wardrobe Steel Frame Assembly Clothes Storage Display Cabinet Of Furniture	1	0	0	0	0
▶	Wicker Patio Chair Sofa Set w/ Water-Resistant Dark-Brown Cushion & Tempered	0	1	0	0	0
▶	Organizer Storage Closet Chest Clothes For Living Room Display Cabinet Of Furniture	1	0	0	0	0
▶	Creative Furniture Sofa Couch Lounge Reading Chair for Living Room Home Decorative	0	1	0	0	0
▶	Wooden Minimalist Tea Table Wooden Minimalist Small Makeup Table Home Furniture	0	0	0	1	0
▶	Glider Rocker, Wicker Bistro Set with Rattan Rocking Chair, Glass Top Table	0	0	1	0	0
▶	with Glass Coffee Table and Two Pillows, Outdoor Sectional Conversation Set	0	1	0	0	0
▶	ding Three-Seater, Loveseat and Single Chair,Dutch Velvet Upholstered Sofa Set	0	1	0	0	0
▶	Drawers Organizer Storage Closet Chest Clothes Storage Display Cabinet Of Furniture	1	0	0	0	0
▶	Furniture Outdoor Sectional Patio Couch Outdoor Coffee Table,Khaki	0	1	0	0	0
▶	n Woven Conversation Sectional L-Shaped Sofa with 5 Seater for Backyard	0	1	0	0	0

* SQL File 7* SQL File 9* SQL File 10* SQL File 11* SQL F



```
• select productTitle,  
    COUNT(*) as sales_count  
from ecommerce.product_clean group by productTitle;
```

productTitle	sales_count
Dresser For Bedroom With 9 Fabric Drawers Wardrobe Steel Frame Assembly Closet For Clothes Storage Display Cabinet Of Furniture	1
Outdoor Conversation Set 4 Pieces Patio Furniture, Wicker Patio Chair Sofa Set w/ Water-Resistant Dark-Brown Cushion & Tempered	1
Dresser For Bedroom With 7 Fabric Drawers Organizer Storage Closet Chest Clothes For Living Room Display Cabinet Of Furniture	2
Modern Accent Boucle Chair,Upholstered Tufted Creative Furniture Sofa Couch Lounge Reading Chair for Living Room Home Decorative	1
Small Unit Simple Computer Desk Household Wooden Minimalist Tea Table Wooden Minimalist Small Makeup Table Home Furniture	1
3 Pieces Patio Furniture Set, Outdoor Swivel Glider Rocker, Wicker Bistro Set with Rattan Rocking Chair, Glass Top Table	1
5-Piece Patio Furniture Set Outdoor Couch with Glass Coffee Table and Two Pillows, Outdoor Sectional Conversation Set	2
Living Room Furniture, Modern 3-Piece Including Three-Seater, Loveseat and Single Chair,Dutch Velvet Upholstered Sofa Set	2
TV Stand Dresser For Bedroom With 5 Fabric Drawers Organizer Storage Closet Chest Clothes Storage Display Cabinet Of Furniture	2
Outdoor Furniture Set 3 Pieces Wicker Patio Furniture Outdoor Sectional Patio Couch Outdoor Coffee Table,Khaki	1
4 Pieces Patio Furniture Set, Outdoor Rattan Woven Conversation Sectional L-Shaped Sofa with 5 Seater for Backyard	1
Jela kids couch 14PCs luxury, floor sofa modular furniture for adults, Playhouse play set toddlers babies, Modular	1



```
1 • select productTitle ,  
2      sold/(select max(sold)from ecommerce.product_clean )as popular_product  
3  from ecommerce.product_clean;
```

	popular_product
awers Wardrobe Steel Frame Assembly Closet For Clothes Storage Display Cabinet Of Furniture	0.0600
atio Furniture, Wicker Patio Chair Sofa Set w/ Water-Resistant Dark-Brown Cushion & Tempered	0.0000
awers Organizer Storage Closet Chest Clothes For Living Room Display Cabinet Of Furniture	0.0007
red Tufted Creative Furniture Sofa Couch Lounge Reading Chair for Living Room Home Decorative	0.0000
eshold Wooden Minimalist Tea Table Wooden Minimalist Small Makeup Table Home Furniture	0.0001
Swivel Glider Rocker, Wicker Bistro Set with Rattan Rocking Chair, Glass Top Table	0.0053
ouch with Glass Coffee Table and Two Pillows, Outdoor Sectional Conversation Set	0.0001
e Including Three-Seater, Loveseat and Single Chair,Dutch Velvet Upholstered Sofa Set	0.0005
i Fabric Drawers Organizer Storage Closet Chest Clothes Storage Display Cabinet Of Furniture	0.0003
r Patio Furniture Outdoor Sectional Patio Couch Outdoor Coffee Table,Khaki	0.0000
Rattan Woven Conversation Sectional L-Shaped Sofa with 5 Seater for Backyard	0.0001
fa modular furniture for adults, Playhouse play set toddlers babies, Modul	0.0000

```

1 •  create or replace view ML_mod as
2   with MaxSale as (
3     select Max(p.sold) as max_sold_count
4     from ecommerce.product_clean p
5   )
6   select p.productTitle, p.originalPrice, p.price, p.sold, p.discount, p.is_discount, p.discount_level_num, p.price_diff, p.title_Wordcount,
7
8   p.sold/ms.max_sold_count as popular_product,
9
10  (p.price_diff *(p.sold/ ms.max_sold_count)) as discount_popularity_interaction,
11
12  case when p.product_category = 'Bedroom Furniture' then 1 else 0 end as bedroom_furniture,
13  case when p.product_category= 'Living Room Furniture' then 1 else 0 end as living_room_furniture,
14  case when p.product_category = 'Outdoor Furniture' then 1 else 0 end as outdoor_furniture,
15  case when p.product_category = 'Office/Home Furniture' then 1 else 0 end as office_home_furniture,
16  case when p.product_category = 'Accent Chairs' then 1 else 0 end as accent_chairs
17  from ecommerce.product_clean p cross join MaxSale ms;
18
19 •  select * from ML_mod limit 10;

```

o p.sold/ms.max_sold_count as popular_product,

o

Result Grid											
Filter Rows: <input type="checkbox"/> Export: Wrap Cell Content: <input type="checkbox"/> Fetch rows:											
productTitle	originalPrice	price	sold	discount	is_discount	discount_level_num	price_diff	title_Wordcount	popular_product	discount_popularity_interac	
Dresser For Bedroom With 9 Fabric Drawers Wa...	46.79	46.79	600	0	0	0	0.00	19	0.0600	0.000000	
Outdoor Conversation Set 4 Pieces Patio Furnit...	169.72	169.72	0	0	0	0	0.00	18	0.0000	0.000000	
Desser For Bedroom With 7 Fabric Drawers Org...	78.4	39.46	7	49.66836734693878	1	2	38.94	19	0.0007	0.027258	
Modern Accent Boucle Chair,Upholstered Tufted...	111.99	111.99	0	0	0	0	0.00	17	0.0000	0.000000	
Small Unit Simple Computer Desk Household Wo...	48.82	21.37	1	56.22695616550594	1	3	27.45	17	0.0001	0.002745	
3 Pieces Patio Furniture Set, Outdoor Swivel Gl...	1294.04	123.4	53	90.46397329294302	1	4	1170.64	19	0.0053	6.204392	
5-Piece Patio Furniture Set Outdoor Couch with ...	198.31	198.31	1	0	0	0	0.00	17	0.0001	0.000000	
Living Room Furniture, Modern 3-Piece Includin...	1474.17	734.58	5	50.16992612792283	1	3	739.59	15	0.0005	0.369795	
TV Stand Dresser For Bedroom With 5 Fabric Dr...	43.96	43.96	3	0	0	0	0.00	19	0.0003	0.000000	
Outdoor Furniture Set 3 Pieces Wicker Patio Fur...	233.3	233.3	0	0	0	0	0.00	15	0.0000	0.000000	



```
SELECT * FROM ecommerce.ml_mod;
```

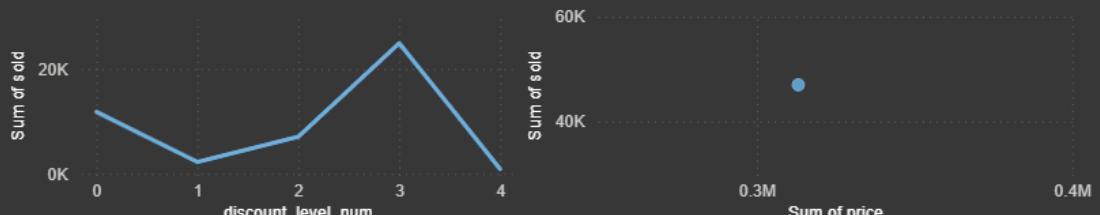
productTitle	originalPrice	price	sold	discount	is_discount	discount_level_num	price_diff	title_Wordcount	popular_product	discount_popularity_int
Dresser For Bedroom With 9 Fabric Drawers Wa...	46.79	46.79	600	0	0	0	0.00	19	0.0600	0.000000
Outdoor Conversation Set 4 Pieces Patio Furnit...	169.72	169.72	0	0	0	0	0.00	18	0.0000	0.000000
Desser For Bedroom With 7 Fabric Drawers Org...	78.4	39.46	7	49.66836734693878	1	2	38.94	19	0.0007	0.027258
Modern Accent Boucle Chair,Upholstered Tufte...	111.99	111.99	0	0	0	0	0.00	17	0.0000	0.000000
Small Unit Simple Computer Desk Household Wo...	48.82	21.37	1	56.22695616550594	1	3	27.45	17	0.0001	0.002745
3 Pieces Patio Furniture Set, Outdoor Swivel Gli...	1294.04	123.4	53	90.46397329294302	1	4	1170.64	19	0.0053	6.204392
5-Piece Patio Furniture Set Outdoor Couch with ...	198.31	198.31	1	0	0	0	0.00	17	0.0001	0.000000
Living Room Furniture, Modern 3-Piece Includin...	1474.17	734.58	5	50.16992612792283	1	3	739.59	15	0.0005	0.369795
TV Stand Dresser For Bedroom With 5 Fabric Dr...	43.96	43.96	3	0	0	0	0.00	19	0.0003	0.000000
Outdoor Furniture Set 3 Pieces Wicker Patio Fur...	233.3	233.3	0	0	0	0	0.00	15	0.0000	0.000000
4 Pieces Patio Furniture Set, Outdoor Rattan W...	244.17	244.17	1	0	0	0	0.00	17	0.0001	0.000000
Jela kids couch 14PCs luxury, floor sofa modula...	238.18	238.18	0	0	0	0	0.00	17	0.0000	0.000000
3/4/5 Piece Boho Outdoor Patio Furniture Sets ...	495.8	495.8	0	0	0	0	0.00	20	0.0000	0.000000
3 PCS Patio Conversation Set, Solid Eucalyptus ...	117.66	117.66	0	0	0	0	0.00	18	0.0000	0.000000
Modern luxury lounge chair home furniture hote...	978.88	978.88	0	0	0	0	0.00	14	0.0000	0.000000
Furniture Contemporary Reversible Sectional Sl...	440.94	440.94	0	0	0	0	0.00	16	0.0000	0.000000
Patio Furniture Sets - 3 Pieces Rattan Sofa Set,...	183.3	183.3	0	0	0	0	0.00	19	0.0000	0.000000
Patio Dining Set Outdoor Furniture with 6 Stack...	60.28	60.28	4	0	0	0	0.00	20	0.0004	0.000000
7 Pieces Patio Furniture Set - Outdoor Sectional...	376.5	376.5	0	0	0	0	0.00	18	0.0000	0.000000

47K 32.98 11.50

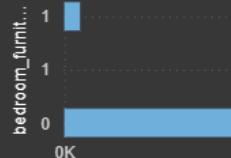
Sum of sold

Average of price_diff

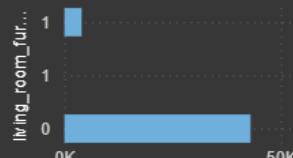
Average of discount



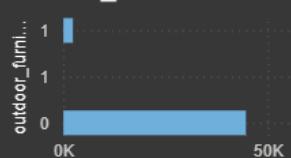
Sum of sold by
bedroom_furniture



Sum of sold by
living_room_furniture



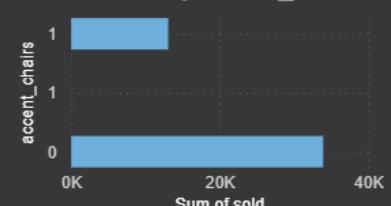
Sum of sold by
outdoor_furniture



Sum of sold by
office_home_furniture



Sum of sold by accent_chairs



productTitle

productTitle	Sum of sold	Sum of price	Sum of discount
Stylish Shoe Rack Metal Simple Shoe Shelf Footwear Organizer Stand Holder Space-saving Black Shoe Shelf for Living Room	2000	13.64	58.31
Shoe-shelf Shoerack Multilayer Shoe Rack Shoebox Bondage Furniture Plant Shelves Metal Cabinet Shoes Organizer Cabinets Space	700	15.40	0.00
Portable round Folding Chair Accordion Chair Height Adjustment Simple Tool Elephant Swing Playground Queue Chair	10000	12.28	61.71
Portable Folding Telescopic Stool Lightweight Plastic Subway Queuing Chair Outdoor Camping Chair Fishing Seat with Carry Bag	900	11.20	62.89
Portability Foot Rest Under Desk Footrest Ergonomic Foot Stool with Massage Rollers Foot Rest for Home Office Work Fast Ship	1900	13.04	127.72
Office Furniture Computer Stand 42*26cm Adjustable Foldable Laptop Holder Notebook Desks Lap PC Folding Desk Table Vented Stand	1000	26.03	53.99
MUMUCC Multifunctional Laptop Desk With Cushion and Filled with Foam Particles, Small Pillow Table, Hard Mouse Pad Large	600	6.55	69.73
MUMUCC Multifunctional Foldable And Adjustable Aluminum Alloy Reading Stand With Spring Clip For Laptops, Tablets & Thick Books	6000	48.05	101.10
Monitor Stand for 13-32 inches Screens, Dual Monitor Mount Gas Spring, Dual Monitor Arm Full Motion Adjustable	900	66.68	54.00
Dresser For Bedroom With 9 Fabric Drawers Wardrobe Steel Frame Assembly Closet For Clothes Storage Display Cabinet Of Furniture	600	46.79	0.00
Adjustable Laptop Desk Stand Portable Aluminum Ergonomic Lapdesk For TV Bed Sofa PC Notebook Table Desk Stand With Mouse Pad	600	25.49	51.42
Total	25200	285.15	640.87