amazon

My SQL amazon sales project

Get the top 10 most expensive products:

Query:

```
1        #Get the top 10 most expensive products:
2
3  •     select * from amazon.cust_info;
4  •     select product_name, category, selling_price from cust_info
5        order by selling_price desc
6        limit 10;
```

Result:

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

product_name	category	selling_price
▶ Sony Bravia 164 cm (65 inches) 4K Ultra HD Sm...	Electronics|HomeTheaterTV&Video|Televisions|...	77990
OnePlus 163.8 cm (65 inches) U Series 4K LED S...	Electronics|HomeTheaterTV&Video|Televisions|...	61999
VU 164 cm (65 inches) The GloLED Series 4K Sm...	Electronics|HomeTheaterTV&Video|Televisions|...	54990
LG 139 cm (55 inches) 4K Ultra HD Smart LED TV...	Electronics|HomeTheaterTV&Video|Televisions|...	47990
Samsung 138 cm (55 inches) Crystal 4K Neo Ser...	Electronics|HomeTheaterTV&Video|Televisions|...	47990
MI 138.8 cm (55 inches) 5X Series 4K Ultra HD L...	Electronics|HomeTheaterTV&Video|Televisions|...	46999
Samsung 138 cm (55 inches) Crystal 4K Series U...	Electronics|HomeTheaterTV&Video|Televisions|...	45999

cust_info 1 ✕

Find the top-rated products (rating above 4.7):

Query:

```
1    #Find the top-rated products (rating above 4.7):
2
3 •  select * from amazon.cust_info;
4 •  SELECT
5       product_name, category, rating
6    FROM
7       cust_info
8    WHERE
9       rating > 4.7
10   ORDER BY rating DESC;
```

Result:

	product_id	product_name	category	selling_price	Marked_up_price	discount_percentage	rating	rating_cc
▶	B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	Computers&Accessories|Accessories&Peripheral...	399	1099.00	64	4.2	24269
	B098NS6PVG	Ambrane Unbreakable 60W / 3A Fast Charging ...	Computers&Accessories|Accessories&Peripheral...	199	349.00	43	4.0	43994
	B096MSW6CT	Sounce Fast Phone Charging Cable & Data Sync...	Computers&Accessories|Accessories&Peripheral...	199	1899.00	90	3.9	7928
	B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	Computers&Accessories|Accessories&Peripheral...	329	699.00	53	4.2	94363
	B08CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 P...	Computers&Accessories|Accessories&Peripheral...	154	399.00	61	4.2	16905
	B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast C...	Computers&Accessories|Accessories&Peripheral...	149	1000.00	85	3.9	24871

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

cust_info 1 ×

Read Only

Count the number of products per category:

Query:

```
 3 ●    SELECT
 4           *
 5      FROM
 6          amazon.cust_info;
 7 ●    SELECT
 8          COUNT(product_name), category
 9      FROM
10          cust_info
11      GROUP BY category
12      ORDER BY category DESC;
```

Result:

	product_id	product_name	category	selling_price	Marked_up_price	discount_percentage	rating	rating_cc
▶	B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	Computers&Accessories|Accessories&Peripheral...	399	1099.00	64	4.2	24269
	B098NS6PVG	Ambrane Unbreakable 60W / 3A Fast Charging ...	Computers&Accessories|Accessories&Peripheral...	199	349.00	43	4.0	43994
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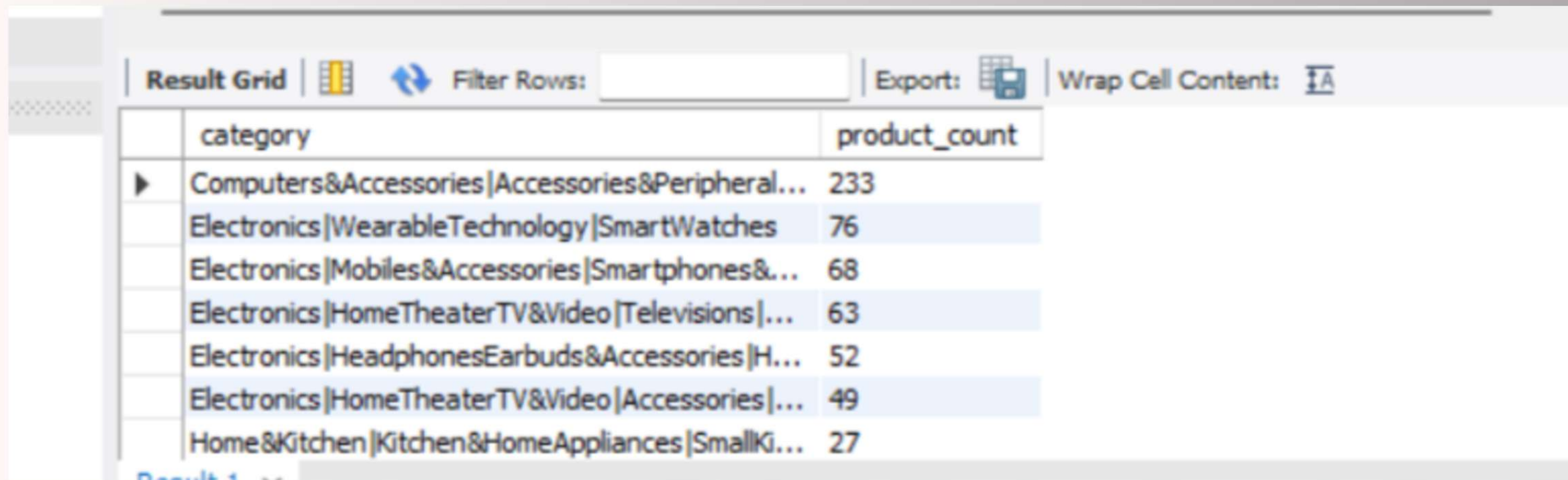Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

cust_info 1 ×

Count the number of products per category:

Query:

```sql
SELECT
    category, COUNT(*) AS product_count
FROM
    cust_info
GROUP BY category
ORDER BY product_count DESC;
```

Result:

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

category	product_count
Computers&Accessories|Accessories&Peripheral...	233
Electronics|WearableTechnology|SmartWatches	76
Electronics|Mobiles&Accessories|Smartphones&...	68
Electronics|HomeTheaterTV&Video|Televisions|...	63
Electronics|HeadphonesEarbuds&Accessories|H...	52
Electronics|HomeTheaterTV&Video|Accessories|...	49
Home&Kitchen|Kitchen&HomeAppliances|SmallKi...	27

Find the most discounted products:

Query:

```sql
● SELECT
      product_name,
      selling_price,
      Marked_up_price,
      discount_percentage
  FROM
      cust_info
  ORDER BY discount_percentage DESC
  LIMIT 3
```

Result:

	product_name	selling_price	Marked_up_price	discount_percentage
▶	rts [2 Pack] Mini USB C Type C Adapter Plug Ty…	294	4999.00	94
	Fire-Boltt Ninja Call Pro Plus 1.83" Smart Watch …	1799	19999.00	91
	Fire-Boltt Ninja Call Pro Plus 1.83" Smart Watch …	1799	19999.00	91

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

Find the best-selling products (highest rating_count):

Query:

```sql
SELECT
    product_name, rating_count
FROM
    cust_info
ORDER BY rating_count DESC
LIMIT 5
```

Result:

	product_name	rating_count
▶	Amazon Basics High-Speed HDMI Cable 6 Feet -...	426973
	AmazonBasics Flexible Premium HDMI Cable (Bla...	426973
	Amazon Basics High-Speed HDMI Cable 6 Feet (...	426973
	AmazonBasics Flexible Premium HDMI Cable (Bla...	426972
	boAt Bassheads 100 in Ear Wired Earphones wit...	363713

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

Get the average discount per category:

Query:

```
1    #Get the average discount per category:
2 •  SELECT
3        category, AVG(discount_percentage) AS discount
4    FROM
5        cust_info
6    GROUP BY category
7    ORDER BY discount DESC
```

Result:

category	discount
▶ Computers&Accessories|Accessories&Peripheral...	90
Electronics|Mobiles&Accessories|MobileAccessor...	90
Electronics|HeadphonesEarbuds&Accessories|E...	90
Electronics|HeadphonesEarbuds&Accessories|A...	88
Computers&Accessories|Accessories&Peripheral...	87.5
Electronics|Mobiles&Accessories|MobileAccessor...	82
Computers&Accessories|Components|InternalH...	80

Result 1 ✕

Find products where the markup price is significantly higher than the selling price (potentially overpriced products):

Query:

```sql
SELECT
    product_name,
    Marked_up_price,
    selling_price,
    (Marked_up_price - selling_price) AS markup_difference
FROM
    cust_info
ORDER BY markup_difference DESC
LIMIT 5
```

Result:

product_name	Marked_up_price	selling_price	markup_difference
Sony Bravia 164 cm (65 inches) 4K Ultra HD Sm...	139900.00	77990	61910
Coway Professional Air Purifier for Home Longe...	59900.00	14400	45500
Samsung Galaxy S20 FE 5G (Cloud Navy 8GB R...	74999.00	37990	37009
VU 138 cm (55 inches) Premium Series 4K Ultra ...	65000.00	29990	35010
LG 1.5 Ton 5 Star AI DUAL Inverter Split AC (Co...	75990.00	42990	33000