

# Amazon SALES REPORT

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# **Objective**

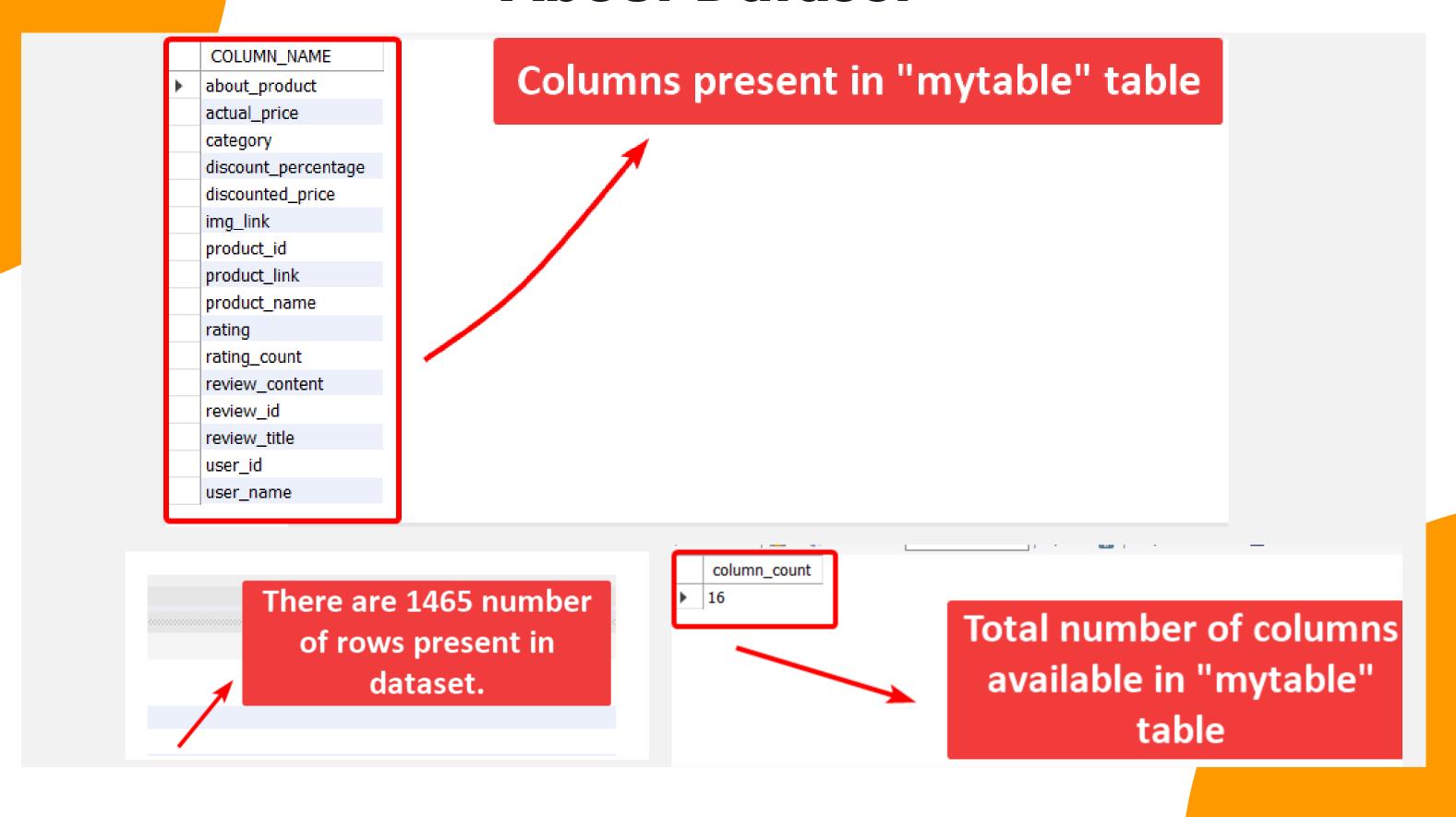
The objective of this project is to analyze product and review data from Amazon using SQL queries. As a data analyst at Amazon, your task is to extract meaningful insights from the dataset by filtering, comparing, and identifying specific product and review attributes based on pricing, discount percentages, product names, and review content. This analysis will support the management in understanding customer behavior, pricing impact, and product performance.



# **Problems Statements**

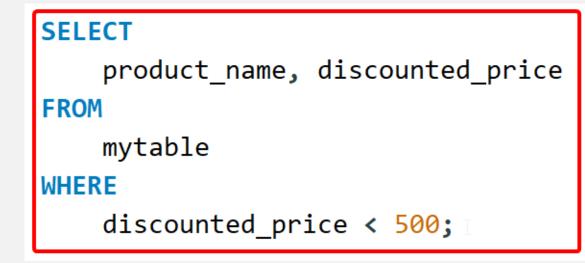
- 1. List all products with a discounted price below ₹500.
- 2. Find products with a discount percentage of 50% or more.
- 3. Retrieve all products where the name contains the word "Cable."
- 4. Display the difference between the average of the actual price and the average of discounted price for each product.
- 5. Query reviews that mention "fast charging" in their content.
- 6. Identify products with a discount percentage between 20% and 40%.
- 7. Find products that have an actual price above ₹1,000 and are rated 4 stars or above.
- 8. Find products where the discounted price ends with a 9?
- 9. Display review contents that contains words like worst, waste, poor, or not good.
- 10. List all products where the category includes "Accessories."

# **About Dataset**





# List all products with a discounted price below ₹500.



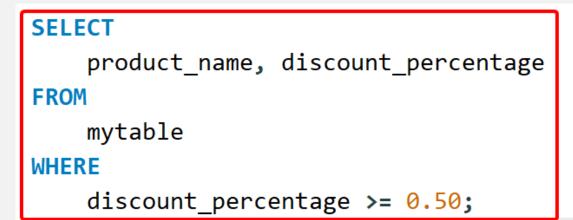
There are 576 products whose discounted price was below ₹500.



1		The second of th	
	product_name	discounted_price	
<b>)</b>	Wayona Nylon Braided USB to Lightning	399	
	Ambrane Unbreakable 60W / 3A Fast C	199	
	Sounce Fast Phone Charging Cable & D	199	
	boAt Deuce USB 300 2 in 1 Type-C & Mi	329	
	Portronics Konnect L 1.2M Fast Chargin	154	
	pTron Solero TB301 3A Type-C Data an	149	
	boAt Micro USB 55 Tangle-free, Sturdy	176.63	
	MI Usb Type-C Cable Smartphone (Black)	229	
	TP-Link USB WiFi Adapter for PC(TL-WN	499	
	Ambrane Unbreakable 60W / 3A Fast C	199	
mytable 39 ×			



# Find products with a discount percentage of 50% or more.



There are 751 number of products whose discount percentage in equal to or more th

	product_name	discount_percentage	
<b>)</b>	Wayona Nylon Braided USB to Lightning	0.64	
	Sounce Fast Phone Charging Cable & D	0.9	
	boAt Deuce USB 300 2 in 1 Type-C & Mi	0.53	
	Portronics Konnect L 1.2M Fast Chargin	0.61	
	pTron Solero TB301 3A Type-C Data an	0.85	
	boAt Micro USB 55 Tangle-free, Sturdy	0.65	
	TP-Link USB WiFi Adapter for PC(TL-WN	0.5	
	Portronics Konnect L POR-1081 Fast Ch	0.55	
	boAt Rugged v3 Extra Tough Unbreakab	0.63	
	AmazonBasics Flexible Premium HDMI C	0.69	
myt	mytable 41 ×		



# Retrieve all products where the name contains the word "Cable."



# **QUERY OUTPUT**



### product\_name

Wayona Nylon Braided USB to Lightning Fast Charging and Data Sync Cable Compatible for iP... Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C Cable for Smartphones,... Sounce Fast Phone Charging Cable & Data Sync USB Cable Compatible for iPhone 13, 12,11, ... boAt Deuce USB 300 2 in 1 Type-C & Micro USB Stress Resistant, Tangle-Free, Sturdy Cable ... Portronics Konnect L 1.2M Fast Charging 3A 8 Pin USB Cable with Charge & Sync Function for... pTron Solero TB301 3A Type-C Data and Fast Charging Cable, Made in India, 480Mbps Data ... boAt Micro USB 55 Tangle-free, Sturdy Micro USB Cable with 3A Fast Charging & 480mbps D... MI Usb Type-C Cable Smartphone (Black)

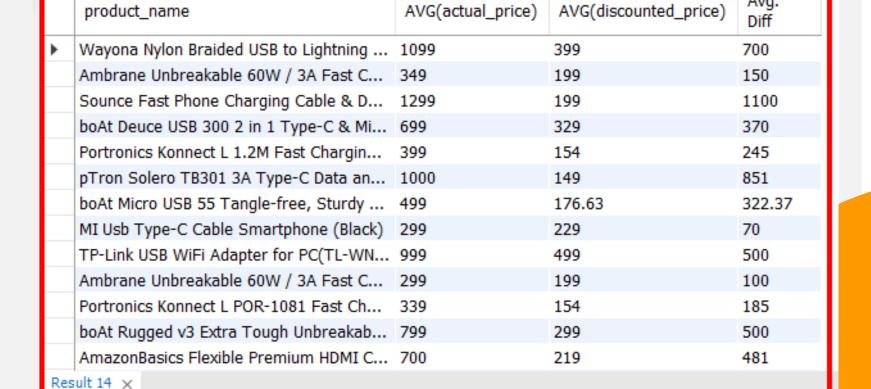
Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Micro USB Cable for Smartphon... Portronics Konnect L POR-1081 Fast Charging 3A Type-C Cable 1.2Meter with Charge & Sync...

mytable 42 🗶



# Display the difference between the average of the actual price and the average of discounted price for each product.

```
SELECT
    product_name,
    AVG(actual_price),
    AVG(discounted_price),
    (AVG(actual_price) - AVG(discounted_price)) AS 'Avg. Diff'
FROM
    mytable
GROUP BY product_name;
```





# Query reviews that mention "fast charging" in their content.

# SELECT product\_name,review\_content FROM mytable WHERE review\_content LIKE '%fast charging%'; There are 157 number of products which have word "fast charging" in review.



	· — · — ·	
	product_name	review_content
١	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C Cable for Smartphones,	I ordered this cable to connect my phon
	boAt Deuce USB 300 2 in 1 Type-C & Micro USB Stress Resistant, Tangle-Free, Sturdy Cable	Good product,long wire,Charges good,N
	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Micro USB Cable for Smartphon	I ordered this cable to connect my phon
	Portronics Konnect L POR-1081 Fast Charging 3A Type-C Cable 1.2Meter with Charge & Sync	The cable is efficient in fast charging bu
	boAt Rugged v3 Extra Tough Unbreakable Braided Micro USB Cable 1.5 Meter (Black)	Good product,long wire,Charges good,N
	Portronics Konnect CL 20W POR-1067 Type-C to 8 Pin USB 1.2M Cable with Power Delivery &	Definitely isn't as good as the original co
	MI Braided USB Type-C Cable for Charging Adapter (Red)	I like it △△,Best charging power . I use
	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C to Type C Cable for Sm	I ordered this cable to connect my phon
	boAt Type C A325 Tangle-free, Sturdy Type C Cable with 3A Rapid Charging & 480mbps Dat	Check for offera before buying,18w cha
	Flix Micro Usb Cable For Smartphone (Black)	Worked on iPhone 7 and didn't work on
mv	table 44 ×	



# Identify products with a discount percentage between 20% and 40%.

### SELECT

product\_name,discount\_percentage

### FROM

mytable

### WHERE

discount\_percentage BETWEEN 0.20 AND 0.40;

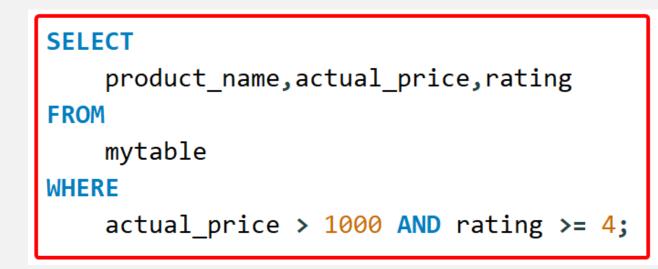
There are 352 number of products whose discounted percentage is between 20% and 40%.



Г	product_name	discount_percentage
<b>)</b>	MI Usb Type-C Cable Smartphone (Black)	0.23
	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Micro USB Cable for Smartphon	0.33
	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C to Type C Cable for Sm	0.38
	LG 80 cm (32 inches) HD Ready Smart LED TV 32LM563BPTC (Dark Iron Gray)	0.39
	OnePlus 80 cm (32 inches) Y Series HD Ready LED Smart Android TV 32Y1 (Black)	0.25
	Ambrane Unbreakable 3 in 1 Fast Charging Braided Multipurpose Cable for Speaker with 2.1	0.25
	OnePlus 126 cm (50 inches) Y Series 4K Ultra HD Smart Android LED TV 50Y1S Pro (Black)	0.28
	TP-Link Nano AC600 USB Wi-Fi Adapter(Archer T2U Nano)- 2.4G/5G Dual Band Wireless Net	0.38
	Amazon Basics High-Speed HDMI Cable, 6 Feet - Supports Ethernet, 3D, 4K video,Black	0.35
	OnePlus 80 cm (32 inches) Y Series HD Ready Smart Android LED TV 32 Y1S (Black)	0.27
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# Find products that have an actual price above ₹1,000 and are rated 4 stars or above.



There are 709 number of products whose actual price is more then ₹1,000 and rating is equal to or more than 4.





		product_name	actual_price	rating
ı	<b>&gt;</b>	Wayona Nylon Braided USB to Lightning Fast Charging and Data 🗫 nc Cable Compatible for iP	1099	4.2
		MI 80 cm (32 inches) 5A Series HD Ready Smart Android LED TV L32M7-5AIN (Black)	24999	4.2
L		LG 80 cm (32 inches) HD Ready Smart LED TV 32LM563BPTC (Dark Iron Gray)	21990	4.3
		Duracell USB Lightning Apple Certified (Mfi) Braided Sync & Charge Cable For Iphone, Ipad A	1799	4.5
		Samsung 80 cm (32 Inches) Wondertainment Series HD Ready LED Smart TV UA32T4340BK	22900	4.3
L		Acer 80 cm (32 inches) I Series HD Ready Android Smart LED TV AR32AR2841HDFL (Black)	19990	4.3
L		OnePlus 80 cm (32 inches) Y Series HD Ready LED Smart Android TV 32Y1 (Black)	19999	4.2
		Duracell USB C To Lightning Apple Certified (Mfi) Braided Sync & Charge Cable For Iphone, I	1999	4.4
		Zoul USB C 60W Fast Charging 3A 6ft/2M Long Type C Nylon Braided Data Cable Quick Charg	1099	4.3
		Amazonbasics Nylon Braided Usb-C To Lightning Cable, Fast Charging Mfi Certified Smartpho	1900	4.4
	myt	able 46 ×		



# Find products where the discounted price ends with a 9?

```
SELECT

product_name,discounted_price
FROM

mytable |
WHERE

discounted_price LIKE '%9';
```

There are 1054 number of products where discounted price ends with "9".



	product_name	discounted_price
<b>&gt;</b>	Wayona Nylon Braided USB to Lightning Fast Charging and Data Sync Cable Compatible for iP	399
	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C Cable for Smartphones,	199
	Sounce Fast Phone Charging Cable & Data Sync USB Cable Compatible for iPhone 13, 12,11,	199
	boAt Deuce USB 300 2 in 1 Type-C & Micro USB Stress Resistant, Tangle-Free, Sturdy Cable	329
	pTron Solero TB301 3A Type-C Data and Fast Charging Cable, Made in India, 480Mbps Data	149
	MI Usb Type-C Cable Smartphone (Black)	229
	TP-Link USB WiFi Adapter for PC(TL-WN725N), N150 Wireless Network Adapter for Desktop	499
	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Micro USB Cable for Smartphon	199
	boAt Rugged v3 Extra Tough Unbreakable Braided Micro USB Cable 1.5 Meter (Black)	299
	AmazonBasics Flexible Premium HDMI Cable (Black, 4K@60Hz, 18Gbps), 3-Foot	219
myt	table 47 ×	



# Display review contents that contains words like worst, waste, poor, or not good.

```
SELECT

product_name,review_content

FROM

mytable

WHERE

review_content LIKE '%worst%'

OR review_content LIKE '%waste%'

OR review_content LIKE '%poor%'

OR review_content LIKE '%not good%';
```

There are 293 number of products whose review contains the following words "worst","waste","poor" and "not good".



Г	product_name	review_content		
Þ	MI Usb Type-C Cable Smartphone (Black)	Worth for money - suitable for Android		
	boAt Type C A325 Tangle-free, Sturdy Type C Cable with 3A Rapid Charging & 480mbps Dat	Check for offera before buying,18w cha		
	LG 80 cm (32 inches) HD Ready Smart LED TV 32LM563BPTC (Dark Iron Gray)	LG was always Good , correct delivery,		
	tizum HDMI to VGA Adapter Cable 1080P for Projector, Computer, Laptop, TV, Projectors & TV	This connector has provided as a boon $f$		
	Samsung 80 cm (32 Inches) Wondertainment Series HD Ready LED Smart TV UA32T4340BK	Overall good.,TV picture ok smart bette		
	Acer 80 cm (32 inches) I Series HD Ready Android Smart LED TV AR32AR2841HDFL (Black)	About the TV - Wonderful		
	OnePlus 80 cm (32 inches) Y Series HD Ready LED Smart Android TV 32Y1 (Black)	This OnePlus TV is great if you want a a		
	Samsung Original Type C to C Cable - 3.28 Feet (1 Meter), White	Buy it, Received in good condition and is $\dots$		
	OnePlus 126 cm (50 inches) Y Series 4K Ultra HD Smart Android LED TV 50Y1S Pro (Black)	I am posting this after a few weeks of u		
	Mi 108 cm (43 inches) Full HD Android LED TV 4C   L43M6-INC (Black)	NOTE:@ If you select brand-authorized		
my	mytable 48 ×			
Ou	Output			



# List all products where the category includes "Accessories".

```
SELECT

product_name, category

FROM

mytable

WHERE

category LIKE '%Accessories%';

There are 890 products which have word "Accessories" in there category.
```



Г	product_name	category
<b>&gt;</b>	Wayona Nylon Braided USB to Lightning	Computers&Accessories Accessories&P
	Ambrane Unbreakable 60W / 3A Fast C	Computers&Accessories Accessories&P
	Sounce Fast Phone Charging Cable & D	Computers&Accessories   Accessories&P
	boAt Deuce USB 300 2 in 1 Type-C & Mi	Computers&Accessories Accessories&P
	Portronics Konnect L 1.2M Fast Chargin	Computers&Accessories Accessories&P
	pTron Solero TB301 3A Type-C Data an	Computers&Accessories Accessories&P
	boAt Micro USB 55 Tangle-free, Sturdy	Computers&Accessories Accessories&P
	MI Usb Type-C Cable Smartphone (Black)	Computers&Accessories Accessories&P
	TP-Link USB WiFi Adapter for PC(TL-WN	Computers&Accessories   NetworkingDev
	Ambrane Unbreakable 60W / 3A Fast C	Computers&Accessories Accessories&P
my	table 26 ×	



# Thank You

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