



Amazon Sales Data Mysql Project

Submitted to:
Ws Cube Tech

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Write queries for the following questions:



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 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."



List all products with a discounted price below ₹500.

```
3 SELECT
4     product_name
5 FROM
6     mytable
7 WHERE
8     discounted_price < 500;
```

Result Grid		Filter Rows:	Export:	Wrap Cell
	product_name			
▶	Wayona Nylon Braided USB to Lightning Fast Ch...			
	Ambrane Unbreakable 60W / 3A Fast Charging ...			
	Source Fast Phone Charging Cable & Data Sync...			
	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...			
	Portronics Konnect L 1.2M Fast Charging 3A 8 P...			
	pTron Solero TB301 3A Type-C Data and Fast C...			
	boAt Micro USB 55 Tangle-free, Sturdy Micro US...			
	MI Usb Type-C Cable Smartphone (Black)			
	TP-Link USB WiFi Adapter for PC(TL-WN725N), ...			
	Ambrane Unbreakable 60W / 3A Fast Charging ...			
	Portronics Konnect L 1.2M Fast Charging 3A 8 P...			
mytable 14	×			

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

```
# -----Find products with a discount percentage of 50% or more.-----  
SELECT  
    *  
FROM  
    mytable  
WHERE  
    discount_percentage >= 0.50;
```

Grid 		Filter Rows: <input type="text"/>		Export: 
product_id	product_name			
7JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...			
96MSW6CT	Sounce Fast Phone Charging Cable & Data Sync...			
8HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...			
8CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 P...			
8Y1TFSP6	pTron Solero TB30 1 3A Type-C Data and Fast C...			
8WRWPM22	boAt Micro USB 55 Tangle-free, Sturdy Micro US...			
08IFXQFU	TP-Link USB WiFi Adapter for PC(TL-WN725N), ...			
8CF3D7QR	Portronics Konnect L POR-108 1 Fast Charging 3...			
789LZTCJ	boAt Rugged v3 Extra Tough Unbreakable Braid...			
789LZTCJ	boAt Rugged v3 Extra Tough Unbreakable Braid...			

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

```
#-----Retrieve all products where the name contains the word "Cable."--  
SELECT  
    product_name  
FROM  
    mytable  
WHERE  
    product_name LIKE '%Cable%';
```

Result Grid		Filter Rows:	Export:
	product_name		
▶	Wayona Nylon Braided USB to Lightning Fast Ch...		
	Ambrane Unbreakable 60W / 3A Fast Charging ...		
	Source Fast Phone Charging Cable & Data Sync...		
	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...		
	Portronics Konnect L 1.2M Fast Charging 3A 8 P...		
	pTron Solero TB30 1 3A Type-C Data and Fast C...		
	boAt Micro USB 55 Tangle-free, Sturdy Micro US...		
	MI Usb Type-C Cable Smartphone (Black)		
	Ambrane Unbreakable 60W / 3A Fast Charging ...		
	Portronics Konnect L POR-1081 Fast Charging 3...		
	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...		
	mytable 16 x		
Output			

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

```
#-----Display the difference between the average of the actual price and the discounted price for each product.-----  
SELECT  
    product_name,  
    AVG(actual_price) - AVG(discount_percentage) AS price_difference  
FROM  
    mytable  
GROUP BY product_name;
```

Result Grid		
Filter Rows:		
Export:		
Wrap Cell		
	product_name	price_difference
▶	Wayona Nylon Braided USB to Lightning Fast Ch...	1098.36
	Ambrane Unbreakable 60W / 3A Fast Charging ...	348.57
	Source Fast Phone Charging Cable & Data Sync...	1298.1666666666667
	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	698.47
	Portronics Konnect L 1.2M Fast Charging 3A 8 P...	398.39
	pTron Solero TB301 3A Type-C Data and Fast C...	999.15
	boAt Micro USB 55 Tangle-free, Sturdy Micro US...	498.35
	MI Usb Type-C Cable Smartphone (Black)	298.77
	TP-Link USB WiFi Adapter for PC(TL-WN725N), ...	998.5
	Ambrane Unbreakable 60W / 3A Fast Charging ...	298.67
	Portronics Konnect L 1.2M Fast Charging 3A 8 P...	398.39
Result 18		

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

```
#---Query reviews that mention "fast charging" in their content.---  
SELECT  
    review_content  
FROM  
    mytable  
WHERE  
    review_Content LIKE '%fast charging%';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	review_content			
▶	I ordered this cable to connect my phone to An... Good product,long wire,Charges good,Nice,I bo...			
	I ordered this cable to connect my phone to An...			
	The cable is efficient in fast charging but in quic...			
	Good product,long wire,Charges good,Nice,I bo...			
	Definitely isn't as good as the original cord but ...			
	I like it 🍌🍌,Best charging power . I used this c...			
	I ordered this cable to connect my phone to An...			
	Check for offera before buying,18w charging c...			
	Worked on iPhone 7 and didn't work on iPhone ...			
	The product seems good and works good but it's not			
mytable 3				

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

```
#-----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;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Co
	product_name	discount_percentage			
▶	MI USB Type-C Cable Smartphone (Black)	0.23			
	Ambrane Unbreakable 60W / 3A Fast Charging ...	0.33			
	Ambrane Unbreakable 60W / 3A Fast Charging ...	0.38			
	LG 80 cm (32 inches) HD Ready Smart LED TV 3...	0.39			
	OnePlus 80 cm (32 inches) Y Series HD Ready L...	0.25			
	Ambrane Unbreakable 3 in 1 Fast Charging Brai...	0.25			
	OnePlus 126 cm (50 inches) Y Series 4K Ultra H...	0.28			
	TP-Link Nano AC600 USB Wi-Fi Adapter (Archer ...	0.38			
	Amazon Basics High-Speed HDMI Cable, 6 Feet ...	0.35			
	OnePlus 80 cm (32 inches) Y Series HD Ready S...	0.27			
	OnePlus 100 cm (42 inches) Crystal 4K Nano G...	0.31			
mytable 4 x					

Find products that have an actual price above ₹1,000 and are rated 4 stars or above.

```
#---Find products that have an actual price above ₹1,000 and are rated 4 stars or above.---  
SELECT  
    product_name  
FROM  
    mytable  
WHERE  
    actual_price > 1000 AND rating >= 4;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Contents:
	product_name			
▶	Wayona Nylon Braided USB to Lightning Fast Ch...			
	MI 80 cm (32 inches) 5A Series HD Ready Smart...			
	LG 80 cm (32 inches) HD Ready Smart LED TV 3...			
	Duracell USB Lightning Apple Certified (Mfi) Brai...			
	Samsung 80 cm (32 Inches) Wondertainment Se...			
	Acer 80 cm (32 inches) I Series HD Ready Andr...			
	OnePlus 80 cm (32 inches) Y Series HD Ready L...			
	Duracell USB C To Lightning Apple Certified (Mfi)...			
	Zoul USB C 60W Fast Charging 3A 6ft/2M Long ...			
	Amazonbasics Nylon Braided Usb-C To Lightning...			
	Google 120 cm (50 inches) Y Series 4K Ultra H...			
mytable 5				

Find products where the discounted price ends with a 9

```
--Find products where the discounted price ends with a 9 --  
SELECT  
    product_name  
FROM  
    mytable  
WHERE  
    discounted_price LIKE '%9';
```

result Grid		Filter Rows:	Export:	Wrap
product_name				
Wayona Nylon Braided USB to Lightning Fast Ch...				
Ambrane Unbreakable 60W / 3A Fast Charging ...				
Source Fast Phone Charging Cable & Data Sync...				
boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...				
pTron Solero TB301 3A Type-C Data and Fast C...				
MI Usb Type-C Cable Smartphone (Black)				
TP-Link USB WiFi Adapter for PC(TL-WN725N), ...				
Ambrane Unbreakable 60W / 3A Fast Charging ...				
boAt Rugged v3 Extra Tough Unbreakable Braid...				
AmazonBasics Flexible Premium HDMI Cable (Bla...				
Source Fast Phone Charging Cable & Data Sync...				

table 6 x

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

```
--Display review contents that contains words like worst, waste, poor, or not good--
SELECT
    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%';
```

Result Grid		Filter Rows:	Export:
	review_content		
▶	Worth for money - suitable for Android auto... ..		
	Check for offera before buying, 18w charging c...		
	LG was always Good , correct delivery, good se...		
	This connector has provided as a boon for my ol...		
	Overall good.,TV picture ok smart betterSound ...		
	About the TV - Wonderful-----...		
	This OnePlus TV is great if you want a affordabl...		
	Buy it,Received in good condition and is working...		
	I am posting this after a few weeks of using the...		
	NOTE:@ If you select brand-authorized TV inst...		
	-----"		
	mytable 7 x		

List all products where the category includes "Accessories."

```
#----List all products where the category includes "Accessories."---  
SELECT  
    product_name  
FROM  
    mytable  
WHERE  
    category LIKE '%Accessories%';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Co
	product_name			
▶	Wayona Nylon Braided USB to Lightning Fast Ch...			
	Ambrane Unbreakable 60W / 3A Fast Charging ...			
	Source Fast Phone Charging Cable & Data Sync...			
	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...			
	Portronics Konnect L 1.2M Fast Charging 3A 8 P...			
	pTron Solero TB30 1 3A Type-C Data and Fast C...			
	boAt Micro USB 55 Tangle-free, Sturdy Micro US...			
	MI Usb Type-C Cable Smartphone (Black)			
	TP-Link USB WiFi Adapter for PC(TL-WN725N), ...			
	Ambrane Unbreakable 60W / 3A Fast Charging ...			
	Portronics Konnect L 1.2M Fast Charging 3A 8 P...			
	mytable 8 ×			
Output				



References:

Dataset Link:

<https://drive.google.com/file/d/1hJOXNpOUXOpyjsrBt1O8MyIJHfWgzakS/view>

Video Link:

https://drive.google.com/file/d/1EkS4maR0cphQLZZ0-1UPn4GIuO-8XHQD/view?usp=drive_link

