

# Amazon Case Study

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



```
SELECT product_id, product_name, category, discounted_price, actual_price  
FROM mytable  
WHERE discounted_price < 500;
```



product_id	product_name	category	discounted_price	actual_price
008IFXQFU	TP-Link USB WiFi Adapter for PC(TL-WN725N), ...	Computers&Accessories NetworkingDevices Ne...	499	999
09CMQRQM6	Ambrane Fast 100W Output Cable with Type-C ...	Computers&Accessories Accessories&Peripheral...	499	899
07YTNKVJQ	MI Xiaomi USB Type C HYPERCharge Cable 6A 1...	Computers&Accessories Accessories&Peripheral...	499	1299
07CWNJLPC	AmazonBasics Double Braided Nylon USB Type-...	Computers&Accessories Accessories&Peripheral...	499	1200
01J8S6X2I	AmazonBasics 6 Feet DisplayPort to DisplayPort...	Computers&Accessories Accessories&Peripheral...	499	1100
09RQRZW2X	7SEVEN® Compatible Vu Smart Tv Remote Cont...	Electronics HomeTheater,TV&Video Accessories...	499	899
07RX14W1Q	Amazon Basics 10.2 Gbps High-Speed 4K HDMI ...	Electronics HomeTheater,TV&Video Accessories...	499	900
01F25X6RQ	Samsung Ehs64 Ehs64Avfwecinu Hands-Free W...	Electronics Headphones,Earbuds&Accessories ...	499	499
085CZ3SR1	Mi 10W Wall Charger for Mobile Phones with Mic...	Electronics Mobiles&Accessories MobileAccesso...	499	599
096TWZRJC	Source 360 Adjustable Mobile Phone Holder, Un...	Electronics Mobiles&Accessories MobileAccesso...	499	1899
09RFB2SJQ	10WeRun Id-116 Bluetooth Smartwatch Wireles...	Electronics WearableTechnology SmartWatches	499	1899
07JQKQ91F	JBL C50HI, Wired in Ear Headphones with Mic, ...	Electronics Headphones,Earbuds&Accessories ...	499	999
08FTFXNNB	HP w100 480P 30 FPS Digital Webcam with Built...	Electronics Cameras&Photography VideoCameras	499	1999
09ZHCJDP1	Amazon Basics Wireless Mouse   2.4 GHz Conne...	Computers&Accessories Accessories&Peripheral...	499	1000
09M8888DM	Portronics MPORT 31 4 Ports USB Hub (USB A t...	Computers&Accessories Accessories&Peripheral...	499	799
09GFWJDY1	ZEBRONICS Zeb-Evolve Wireless in Ear Neckba...	Electronics Headphones,Earbuds&Accessories ...	499	1499
09M7AM7AV	TMOVER A World Map Extended Anti-Slip Dribbler	Computers&Accessories Accessories&Periphera...	400	000

- 
- 1 Use the SELECT statement to retrieve product details.
  - 2 Apply the WHERE condition to filter products with a discounted price below ₹500.
  - 3 Use AS (alias) if needed to make column names more readable.
  - 4 Execute the query to get the results.

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



```
SELECT product_id, product_name, actual_price, discounted_price,  
       (discount_percentage * 100) AS discount_percentage  
FROM mytable  
WHERE discount_percentage >= 0.50;
```

product_id	product_name	actual_price	discounted_price	discount_percentage
B008IFXQFU	TP-Link USB WiFi Adapter for PC(TL-WN725N), ...	999	499	50
B07232M876	Amazonbasics Micro Usb Fast Charging Cable F...	395	199	50
B071SDRGWL	boAt Type-c A400 Type-c to USB A Cable for All...	699	349	50
B09XJ1LM7R	7SEVEN® Compatible for Tata Sky Remote Orig... i	799	399	50
B083GQGT3Z	Caprigo Heavy Duty TV Wall Mount Stand for 1...	799	399	50
B09Q8WQ5QJ	Portronics Konnect L 60W PD Type C to Type C ...	499	249	50
B006LW0WDQ	Amazon Basics 16-Gauge Speaker Wire - 50 Feet	795	399	50
B09L835C3V	Smashtronics® - Case for Firetv Remote, Fire S...	399	199	50
B08TZD7FQN	Astigo Compatible Remote Control for Mi Smart ...	599	299	50
BA0YQHJ4AT	KILLER (2.1) 1000W 2.1 Channel Home Theater S...	4999	2499	50

### Finding Products with a Discount Percentage of 50% or More in SQL

- Analysis: The discount\_percentage column stores values as decimal fractions (e.g., 0.64 instead of 64%).

To check for discounts 50% or more, we compare discount\_percentage with 0.50 instead of 50.

Result: The discount\_percentage column is now in percentage format (e.g., 0.64 → 64%).

Lists products with 50% or more discount.

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

```
SELECT * FROM mytable  
WHERE product_name LIKE '%Cable%';
```

product_id	product_name	category	discounted_p...
B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Charging and Data Sync Cable Compatible for iPhone 13, 12, 11, X, 8, 7, 6, SE, iPad, iPod, and More. 3.1A 3m	Computers&Accessories Accessories&Peripheral...	399
B098NS6PVG	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C Cable for Smartphones, Tablets, and Laptops	Computers&Accessories Accessories&Peripheral...	199
B096MSW6CT	Source Fast Phone Charging Cable & Data Sync USB Cable Compatible for iPhone 13, 12, 11, X, 8, 7, 6, SE, iPad, iPod, and More. 3.1A 3m	Computers&Accessories Accessories&Peripheral...	199
B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB Stress Resistant, Tangle-Free, Sturdy Cable with 3A Fast Charging and 480Mbps Data Sync Function	Computers&Accessories Accessories&Peripheral...	329
B08CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 Pin USB Cable with Charge & Sync Function for iPhone 13, 12, 11, X, 8, 7, 6, SE, iPad, iPod, and More.	Computers&Accessories Accessories&Peripheral...	154
B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast Charging Cable, Made in India, 480Mbps Data Sync Function	Computers&Accessories Accessories&Peripheral...	149
B08WRWPM22	boAt Micro USB 55 Tangle-free, Sturdy Micro USB Cable with 3A Fast Charging & 480mbps Data Sync Function	Computers&Accessories Accessories&Peripheral...	176.63
B08DDRGWTJ	MI Usb Type-C Cable Smartphone (Black)	Computers&Accessories Accessories&Peripheral...	229
B08LZGK39	Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Micro USB Cable for Smartphones, Tablets, and Laptops	Computers&Accessories Accessories&Peripheral...	199
B08CF3D7QR	Portronics Konnect L POR-1081 Fast Charging 3A Type-C Cable 1.2Meter with Charge & Sync Function	Computers&Accessories Accessories&Peripheral...	154
B0789LZTCJ	boAt Rugged v3 Extra Tough Unbreakable Braided Micro USB Cable 1.5 Meter (Black)	Computers&Accessories Accessories&Peripheral...	299



Result:

- Retrieves all products where "Cable" appears anywhere in the product name.
- The % wildcard ensures it finds matches at the beginning, middle, or end of the name.
- ★ Improves search flexibility for better product filtering!

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

```
SELECT AVG(actual_price) - AVG(discounted_price) AS price_difference  
FROM mytable;
```



	price_difference
▶	2319.6797610921512



🔍 Result: Calculates the average actual price and average discounted price across all products.  
Subtracts the two to show the overall average price difference between actual and discounted prices. ✅  
✨ Helps analyze the average discount impact on product pricing! 🚀



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



```
SELECT review_content  
FROM mytable  
WHERE review_content LIKE '%fast charging%';
```



review_content
I ordered this cable to connect my phone to Android Auto of car. The cable is really strong and the connection ports are really well made. I already has a ... Good product,long wire,Charges good,Nice,I bought this cable for Rs.339 worthy product for this price, i tested it in various charger adapters 33w and 18...
I ordered this cable to connect my phone to Android Auto of car. The cable is really strong and the connection ports are really well made. I already has a ... The cable is efficient in fast charging but in quick data transfer. Overall fine.,I like the usb c L shape. Nylon Shielded core wire it improves the life of the c...
Good product,long wire,Charges good,Nice,I bought this cable for Rs.339 worthy product for this price, i tested it in various charger adapters 33w and 18...
Definitely isn't as good as the original cord but works. Fast charging and pretty sturdy,Worth it,So I had a faulty cable. I was lazy and have a lot of mone...
I like it ☺ ☺,Best charging power . I used this cable on note 8 pro mi. Using 8month also fast working.,350 might be a little expensive but physically it's so ...
I ordered this cable to connect my phone to Android Auto of car. The cable is really strong and the connection ports are really well made. I already has a ... Check for offera before buying,18w charging cable,,Awesome cable!Charging, data transfer and durability is simply awesome, and there is not a single di...
Worked on iPhone 7 and didn't work on iPhone XR, <a href="https://m.media-amazon.com/images/I/71qFFAIV9ZL._SY88.jpg">https://m.media-amazon.com/images/I/71qFFAIV9ZL._SY88.jpg</a> ,Look-wise, I didn't like it. Still, I use it f...
The product seems and works good but it's not a fast charging cable as it has to be and when all the three ports are connected its more slower I'm chargi...
Fast charging.,Cable seems to be of good quality, not used much as I keep it as backup in my car.,It's good, sturdy & durable!It supports fast charging!O...

- 1 Selects the review\_content column.**
- 2 Filters rows where the review text contains "fast charging" anywhere.**
- 3 Returns only the matching reviews.**

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



```
SELECT product_name, (discount_percentage * 100) AS discount_percentage  
FROM mytable  
WHERE (discount_percentage * 100) BETWEEN 20 AND 40;
```

product_name	discount_percentage
MI Usb Type-C Cable Smartphone (Black)	23
Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Micro USB Cable for Smartphones, ...	33
Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C to Type C Cable for Smartp...	38
LG 80 cm (32 inches) HD Ready Smart LED TV 32LM563BPTC (Dark Iron Gray)	39
OnePlus 80 cm (32 inches) Y Series HD Ready LED Smart Android TV 32Y1 (Black)	25
Ambrane Unbreakable 3 in 1 Fast Charging Braided Multipurpose Cable for Speaker with 2.1 A S...	25
OnePlus 126 cm (50 inches) Y Series 4K Ultra HD Smart Android LED TV 50Y1S Pro (Black)	28.000000000000004
TP-Link Nano AC600 USB Wi-Fi Adapter(Archer T2U Nano)- 2.4G/5G Dual Band Wireless Network...	38
Amazon Basics High-Speed HDMI Cable, 6 Feet - Supports Ethernet, 3D, 4K video, Black	35
OnePlus 80 cm (32 inches) Y Series HD Ready Smart Android LED TV 32 Y1S (Black)	27
Samsung 108 cm (43 inches) Crystal 4K Neo Series Ultra HD Smart LED TV UA43AUE65AKXXL (Bl...	31
Redmi 108 cm (43 inches) 4K Ultra HD Android Smart LED TV X43   L43R7-7AIN (Black)	37
OnePlus 108 cm (43 inches) Y Series 4K Ultra HD Smart Android LED TV 43Y1S Pro (Black)	25
Acer 127 cm (50 inches) I Series 4K Ultra HD Android Smart LED TV AR50AR2851UDFL (Black)	32
OnePlus 108 cm (43 inches) Y Series Full HD Smart Android I ED TV 43 Y1S (Black)	22

- 
- 1 product\_name selects the product name.
  - 2 (discount\_percentage \* 100) AS discount\_percentage converts the discount from decimal to percentage format.
  - 3 BETWEEN 20 AND 40 filters products with a discount between 20% and 40%.

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



```
SELECT product_name, actual_price, rating  
FROM mytable  
WHERE actual_price > 1000 AND rating >= 4;
```



product_name	actual_price	rating
Wayona Nylon Braided USB to Lightning Fast Charging and Data Sync Cable Compatible for iPhone, iPad, iPod, and iWatch	1099	4.2
MI 80 cm (32 inches) 5A Series HD Ready Smart Android LED TV L32M7-5AIN (Black)	24999	4.2
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 And I...	1799	4.5
Samsung 80 cm (32 Inches) Wondertainment Series HD Ready LED Smart TV UA32T4340BKXXL (Black)	22900	4.3
Acer 80 cm (32 inches) I Series HD Ready Android Smart LED TV AR32AR2841HDFL (Black)	19990	4.3
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, iPad ...	1999	4.4
Zoul USB C 60W Fast Charging 3A 6ft/2M Long Type C Nylon Braided Data Cable Quick Charger ...	1099	4.3
Amazonbasics Nylon Braided Usb-C To Lightning Cable, Fast Charging Mfi Certified Smartphone, ...	1900	4.4
OnePlus 126 cm (50 inches) Y Series 4K Ultra HD Smart Android LED TV 50Y1S Pro (Black)	45999	4.2
Duracell Type C To Type C 5A (100W) Braided Sync & Fast Charging Cable, 3.9 Feet (1.2M). US...	1999	4.2
Mi 108 cm (43 inches) Full HD Android LED TV 4C   L43M6-INC (Black)	34999	4.3
Wayona Nylon Braided 3A Lightning to USB A Syncing and Fast Charging Data Cable for iPhone, ...	1099	4.2
TP-Link Nano AC600 11USB Wi-Fi Adapter(Archer T2I   Nano)- 2.4G/5G Dual Band Wireless Network	1599	4.3

## Explanation:

- 1 actual\_price > 1000 → Filters products with an actual price above ₹1,000.
- 2 rating >= 4 → Ensures only products rated 4 stars or above are selected.
- 3 SELECT product\_name, actual\_price, rating → Retrieves only relevant columns.

## 8. Find Products Where the Discounted Price Ends with a '9'



```
SELECT product_name, discounted_price  
FROM mytable  
WHERE discounted_price LIKE '%9';
```



## Explanation:

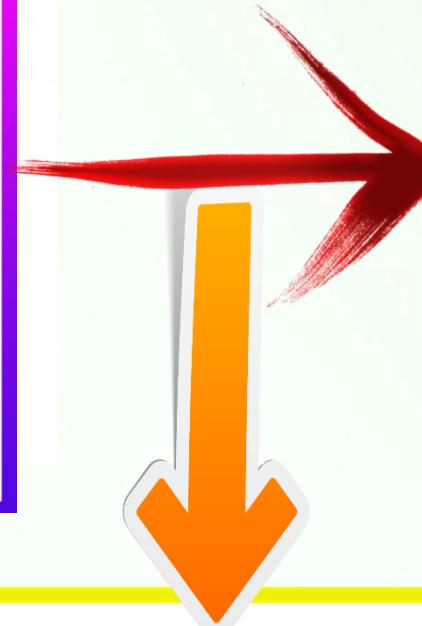
- 1 **LIKE '%9'** → Filters products where the discounted price ends with '9' (e.g., 199, 499, 999).
- 2 **SELECT product\_name, discounted\_price** → Displays only product name and discounted price. ✨ Now, you get all products with a price ending in '9'! 🚀

# 9. 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%';
```

## Explanation:

- 1 Filters reviews that contain:  
"worst"  
"waste"  
"poor"  
"not good"
- 2 LIKE '%word%' ensures partial matches within the review content.
- 3 Retrieves only the review\_content column for analysis.



review_content
Worth for money - suitable for Android auto... my purpose served in car...got it for Rs. 150,Everything is Okay. But packaging is not good feeling like seller gave is used cable.,Good product,Good p...
Check for offera before buying,18w charging cable,,Awesome cable!Charging, data transfer and durability is simply awesome, and there is not a single disconnection issue, which I always faced in or...
LG was always Good , correct delivery, good service but sound quality was poor. The speakers were fitted below the tv. No dear sound. That was the only problem.,Good videoGood vice,Picture qu...
This connector has provided as a boon for my old Samsung LCD monitor and I am proactively using that monitor as the 2nd screen just if the finishing of the product can be improved then it would be ...
Overall good.,TV picture ok smart betterSound very low another brand,Service provider refuse install my TV, bad service and samsung, I am calling 3 times service provider. Not meet my home addre...
About the TV - Wonderful-----Probably the best TV in this price range (INR 13000).Good - Google interface, loaded with features, lightweight, 55 watt ...
This OnePlus TV is great if you want a affordable and middle range features TV. I got it in the offer and it was totally worth it.Pros:-1. Sound is awesome - 100% satisfied with the quality of sound. D...
Buy it,Received in good condition and is working properly,This price cabil not good, and also short,I am using from 2 months and charging the phone in good way and it's really value for money.. i rec...
I am posting this after a few weeks of using the product.Usage: Continuous, OTT only, no Cable/Dish operator.Average daily usage: 6-8 hours.The TV is a great value-for-money product.Installation...
NOTE:@ If you select brand-authorized TV installation, then DO NOT unbox the tv until MI representative arrives.This ensures, that if TV is damaged in transportation, then you will get replacement ...
Overall replacement of original samsung remote.its compatible easily with my samsung uhd tv.but there is no voice command in the remote.,Works well. Will comment on durability after using it for a f...
I am using this on an old Mac Mini, since the Broadcom proprietary drivers aren't available and the replacement B43 drivers don't allow for sufficient download speeds, at least in my experience. I got ...
I got this for 6k. At this price point, I believe the TV provides decent quality. You shouldn't expect amazing quality anyway from a 1366x768 screen resolution. The audio is also okay. Beyond 50 the ...
This OnePlus TV is great if you want a affordable and middle range features TV. I got it in the offer and it was totally worth it.Pros:-1. Sound is awesome - 100% satisfied with the quality of sound. D...
Good Got a nice product Quick not charner@. Cable is very good and looks durable but the nins quality are not good. infact iPhone nin keen coming out even with small movement. You can drive and

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



```
SELECT product_name, category  
FROM mytable  
WHERE category LIKE '%Accessories%';
```

product_name	category
Wayona Nylon Braided USB to Lightning Fast Charging and Data Sync Cable Compatible for iPhone 13, 12, 11, X, 8, 7, 6, SE, iPad, iPod, AirPods, etc. - 1.2M	Computers&Accessories Accessories&Peripheral..
Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C Cable for Smartphones, Tablets, Laptops, and More - 1.5m	Computers&Accessories Accessories&Peripheral..
Source Fast Phone Charging Cable & Data Sync USB Cable Compatible for iPhone 13, 12, 11, X, 8, 7, 6, SE, iPad, iPod, AirPods, etc. - 1.2M	Computers&Accessories Accessories&Peripheral..
boAt Deuce USB 300 2 in 1 Type-C & Micro USB Stress Resistant, Tangle-Free, Sturdy Cable with 3A Fast Charging & 480Mbps Data Sync Function for iPhone 13, 12, 11, X, 8, 7, 6, SE, iPad, iPod, AirPods, etc. - 1.2M	Computers&Accessories Accessories&Peripheral..
Portronics Konnect L 1.2M Fast Charging 3A 8 Pin USB Cable with Charge & Sync Function for iPhone 13, 12, 11, X, 8, 7, 6, SE, iPad, iPod, AirPods, etc. - 1.2M	Computers&Accessories Accessories&Peripheral..
pTron Solero TB301 3A Type-C Data and Fast Charging Cable, Made in India, 480Mbps Data Sync Function, 1.2M	Computers&Accessories Accessories&Peripheral..
boAt Micro USB 55 Tangle-free, Sturdy Micro USB Cable with 3A Fast Charging & 480mbps Data Sync Function, 1.2M	Computers&Accessories Accessories&Peripheral..
MI Usb Type-C Cable Smartphone (Black)	Computers&Accessories Accessories&Peripheral..
TP-Link USB WiFi Adapter for PC(TL-WN725N), N150 Wireless Network Adapter for Desktop - Na...	Computers&Accessories NetworkingDevices Netw...
Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Micro USB Cable for Smartphones, Tablets, Laptops, and More - 1.5m	Computers&Accessories Accessories&Peripheral..
Portronics Konnect L POR-1081 Fast Charging 3A Type-C Cable 1.2Meter with Charge & Sync Function, 1.2M	Computers&Accessories Accessories&Peripheral..
boAt Rugged v3 Extra Tough Unbreakable Braided Micro USB Cable 1.5 Meter (Black)	Computers&Accessories Accessories&Peripheral..
AmazonBasics Flexible Premium HDMI Cable (Black, 4K@60Hz, 18Gbps), 3-Foot	Electronics HomeTheater,TV&Video Accessories..
Portronics Konnect CL 20W POR-1067 Type-C to 8 Pin USB 1.2M Cable with Power Delivery & 3A...	Computers&Accessories Accessories&Peripheral..
Portronics Konnect L 1.2M POR-1401 Fast Charging 3A 8 Pin USB Cable with Charge & Sync Function, 1.2M	Computers&Accessories Accessories&Peripheral..

Explanation: ① LIKE "%Accessories%" → Finds categories that contain the word "Accessories" anywhere.

② SELECT product\_name, category → Displays product name and category only.

Now, you get all products under Accessories-related categories! 🚀

**Thank You for Viewing My  
Presentation!**

