

Amazon Sales Case study :-

Project – 4

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By the tool
MySQL 



Company Introduction

Amazon.com, Inc. is a global technology company based in Seattle, Washington, best known for revolutionizing the way people shop online. Founded in **1994 by Jeff Bezos**, Amazon began as an online bookstore and quickly expanded into a vast e-commerce marketplace, offering everything from electronics to apparel to cloud computing services.

E-commerce



What is MySQL .._..

SQL (Structured Query Language) is a standard programming language used to manage and manipulate **relational databases**. It allows users to **create, read, update, and delete** (CRUD) data stored in tables.

Key features of SQL:

- **Data Querying:** Retrieve specific data using SELECT statements.
- **Data Manipulation:** Add, modify, or delete data using INSERT, UPDATE, and DELETE.
- **Data Definition:** Define database structures using CREATE, ALTER, and DROP.
- **Data Control:** Manage access permissions using GRANT and REVOKE.



Problem Statement ... 🔍

You are working at Amazon, a leading e-commerce platform. The management has tasked you with analyzing sales data by performing different queries in SQL.



Q.1 . LIST ALL PRODUCTS WITH A DISCOUNTED PRICE BELOW ₹500.

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



product_name	discounted_price
Wayona Nylon Braided USB to Lightning Fast Ch...	399
Ambrane Unbreakable 60W / 3A Fast Charging ...	199
Source Fast Phone Charging Cable & Data Sync...	199
boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	329
Portronics Konnect L 1.2M Fast Charging 3A 8 P...	154
pTron Solero TB301 3A Type-C Data and Fast C...	149
boAt Micro USB 55 Tangle-free, Sturdy Micro US...	176.63
MI Usb Type-C Cable Smartphone (Black)	229
TP-Link USB Type-C to USB-A 3.1 Gen1 Adapter	400

amazon

Q.2 FIND PRODUCTS WITH A DISCOUNT PERCENTAGE OF 50% OR MORE.

```
3 • SELECT
4     product_id, product_name, discount_percentage
5 FROM
6     mytable
7 WHERE
8     discount_percentage >= 0.50;
```



Result Grid Filter Rows: Export: Wrap Cell Content:			
	product_id	product_name	discount_percentage
▶	B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	0.64
	B096MSW6CT	Source Fast Phone Charging Cable & Data Sync...	0.9
	B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	0.53
	B08CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 P...	0.61
	B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast C...	0.85
	B08WRWPM22	boAt Micro USB 55 Tangle-free, Sturdy Micro US...	0.65
	B008IFXQFU	TP-Link USB WIFI Adapter for PC(TL-WN725N), ...	0.5
	B08CF3D7QR	Portronics Konnect L POR-1081 Fast Charging 3...	0.55

amazon

Q.3 RETRIEVE ALL PRODUCTS WHERE THE NAME CONTAINS THE WORD "CABLE."

```
3 • SELECT
4     product_id, product_name
5 FROM
6     mytable
7 WHERE
8     product_name LIKE '%cable%';
```



Result Grid			Filter Rows:	Export:	Wra
	product_id	product_name			
▶	B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...			
	B098NS6PVG	Ambrane Unbreakable 60W / 3A Fast Charging ...			
	B096MSW6CT	Source Fast Phone Charging Cable & Data Sync...			
	B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...			
	B08CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 P...			
	B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast C...			
	B08WRWPM22	boAt Micro USB 55 Tangle-free, Sturdy Micro US...			
	B08DDRGWTJ	MI Usb Type-C Cable Smartphone (Black)			

amazon

Q.4 DISPLAY THE DIFFERENCE BETWEEN THE AVERAGE OF THE ACTUAL PRICE AND THE DISCOUNTED PRICE FOR EACH PRODUCT.

```
3 • SELECT
4     product_name, AVG(actual_price) - AVG(discounted_price)
5 FROM
6     mytable
7 GROUP BY product_name;
```



Result Grid		Filter Rows:	Export:	Wrap Cell Content:
product_name	avg(actual_price) - avg(discounted_price)			
Wayona Nylon Braided USB to Lightning Fast Ch...	700			
Ambrane Unbreakable 60W / 3A Fast Charging ...	150			
Source Fast Phone Charging Cable & Data Sync...	1100			
boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	370			
Portronics Konnect L 1.2M Fast Charging 3A 8 P...	245			
pTron Solero TB301 3A Type-C Data and Fast C...	851			
boAt Micro USB 55 Tangle-free, Sturdy Micro US...	322.37			
MI Usb Type-C Cable Smartphone (Black)	70			
TP-Link USB WiFi Adapter for PC(TL-WN725N), ...	500			

amazon

The Amazon logo, consisting of the word "amazon" in a dark blue, lowercase, sans-serif font, with a yellow curved arrow underneath it pointing from the 'a' to the 'z'.

Q.5 QUERY REVIEWS THAT MENTION "FAST CHARGING" IN THEIR CONTENT.

```
3 • SELECT
4     review_content
5 FROM
6     mytable
7 WHERE
8     review_content LIKE '%fast charging%';
```



Result Grid		Filter Rows:	Export:	Wrap
	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...			

amazon

Q.6 IDENTIFY PRODUCTS WITH A DISCOUNT PERCENTAGE BETWEEN 20% AND 40%.

```
3 • SELECT
4     product_id, product_name, discount_percentage
5 FROM
6     mytable
7 WHERE
8     discount_percentage BETWEEN '0.20' AND '0.40';
```



Result Grid			Filter Rows:	Export:	Wrap Cell Content:
product_id	product_name	discount_percentage			
B08DDRGWTJ	MI 8GB Type-C Cable Smartphone (Black)	0.23			
B082LZGK39	Ambrane Unbreakable 60W / 3A Fast Charging ...	0.33			
B082LSVT4B	Ambrane Unbreakable 60W / 3A Fast Charging ...	0.38			
B08DPLCM6T	LG 80 cm (32 inches) HD Ready Smart LED TV 3...	0.39			
B08B42LWKN	OnePlus 80 cm (32 inches) Y Series HD Ready L...	0.25			
B094JNXNPV	Ambrane Unbreakable 3 in 1 Fast Charging Brai...	0.25			
B083MMYHYW	OnePlus 126 cm (50 inches) Y Series 4K Ultra H...	0.28			
B07KRCW6LZ	TP-Link Nano AC600 USB Wi-Fi Adapter(Archer ...	0.38			
B014I8SSD0	Amazon Basics High-Speed HDMI Cable, 6 Feet ...	0.35			

amazon

Q.7 FIND PRODUCTS THAT HAVE AN ACTUAL PRICE ABOVE ₹1,000 AND ARE RATED 4 STARS OR ABOVE.

```
3 • SELECT
4     product_id, product_name, actual_price, rating
5 FROM
6     mytable
7 WHERE
8     actual_price > 1000 AND rating >= 4;
```



	product_id	product_name	actual_price	rating
▶	B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	1099	4.2
	B0B6F7LX4C	MI 80 cm (32 inches) 5A Series HD Ready Smart...	24999	4.2
	B08DPLCM6T	LG 80 cm (32 inches) HD Ready Smart LED TV 3...	21990	4.3
	B09C6HXFC1	Duracell USB Lightning Apple Certified (Mfi) Brai...	1799	4.5
	B09F6S8BT6	Samsung 80 cm (32 Inches) Wondertainment Se...	22900	4.3
	B0B1YVCJ2Y	Acer 80 cm (32 inches) I Series HD Ready Andr...	19990	4.3
	B08B42LWKN	OnePlus 80 cm (32 inches) Y Series HD Ready L...	19999	4.2
	B09W5XR9RT	Duracell USB C To Lightning Apple Certified (Mfi)...	1999	4.4
	B08QSC1XY8	Zoul USB C 60W Fast Charging 3A 6ft/2M Long ...	1099	4.3
	B07XLCFSSN	Amazonbasics Nylon Braided Usb-C To Lightning...	1900	4.4

amazon

Q.8 FIND PRODUCTS WHERE THE DISCOUNTED PRICE ENDS WITH A 9.

```
3 • SELECT
4     product_id, product_name, discounted_price
5 FROM
6     mytable
7 WHERE
8     discounted_price LIKE '%9';
```



product_id	product_name	discounted_price
B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	399
B098NS6PVG	Ambrane Unbreakable 60W / 3A Fast Charging ...	199
B096MSW6CT	Source Fast Phone Charging Cable & Data Sync...	199
B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	329
B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast C...	149
B08DDRGWTJ	MI Usb Type-C Cable Smartphone (Black)	229
B008IFXQFU	TP-Link USB WIFI Adapter for PC(TL-WN725N), ...	499
B082LZGK39	Ambrane Unbreakable 60W / 3A Fast Charging ...	199
B0789LZTCJ	boAt Rugged v3 Extra Tough Unbreakable Braid...	299
B07KSMBL2H	AmazonBasics Flexible Premium HDMI Cable (Bla...	219

amazon

Q.9 DISPLAY REVIEW CONTENTS THAT CONTAINS WORDS LIKE WORST, WASTE, POOR, OR NOT GOOD.

```
3 • SELECT
4     review_content
5 FROM
6     mytable
7 WHERE
8     review_content LIKE '%worst%'
9     OR review_content LIKE '%waste%'
10    OR review_content LIKE '%poor%'
11    OR review_content LIKE '%not good%';
```



Result Grid		Filter Rows:
	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... Overall replacement of original samsung remote	

amazon

Q.10 LIST ALL PRODUCTS WHERE THE CATEGORY INCLUDES "ACCESSORIES".

```
3 • SELECT
4     product_id, product_name, category
5 FROM
6     mytable
7 WHERE
8     category LIKE '%accessories%';
```



Result Grid			Filter Rows:	Export:	Wrap Cell Content:
product_id	product_name	category			
B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	Computers&Accessories Accessories&Peripheral...			
B098NS6PVG	Ambrane Unbreakable 60W / 3A Fast Charging ...	Computers&Accessories Accessories&Peripheral...			
B096MSW6CT	Sounce Fast Phone Charging Cable & Data Sync...	Computers&Accessories Accessories&Peripheral...			
B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	Computers&Accessories Accessories&Peripheral...			
B08CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 P...	Computers&Accessories Accessories&Peripheral...			
B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast C...	Computers&Accessories Accessories&Peripheral...			
B08WRWPM22	boAt Micro USB 55 Tangle-free, Sturdy Micro US...	Computers&Accessories Accessories&Peripheral...			
B08DDRGTJ	MI Usb Type-C Cable Smartphone (Black)	Computers&Accessories Accessories&Peripheral...			
B008JFXQFU	TP-Link USB WIFI Adapter for PC(TL-WN725N), ...	Computers&Accessories NetworkingDevices Ne...			
B082LZGK39	Ambrane Unbreakable 60W / 3A Fast Charging ...	Computers&Accessories Accessories&Peripheral...			

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Our Founder

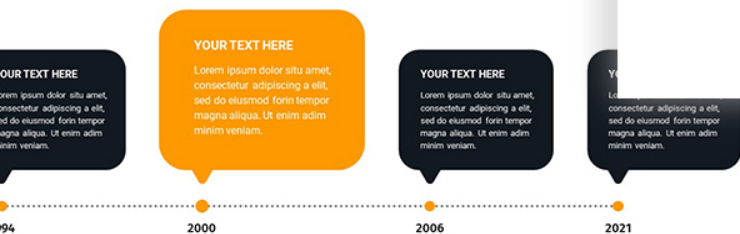
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JEFF BEZOS
Founder

Timeline

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THANK YOU

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Bar Chart

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