



Data analysis with SQL



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Introduction

Amazon was founded on July 5, 1994, by Jeff Bezos in Bellevue, Washington. The company originally started as an online marketplace for books but gradually expanded its offerings to include a wide range of product categories. This diversification led to it being referred to as "The Everything Store".



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

```
SELECT
    product_name, discounted_price
FROM
    mytable
WHERE
    discounted_price < 500;
```



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

SELECT

product_id, product_name, discount_percentage

FROM

mytable

WHERE

discount_percentage >= 0.50;



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

```
SELECT
    product_id, product_name
FROM
    mytable
WHERE
    product_name LIKE "%Cable%";
```



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

```
SELECT
    category, AVG(actual_price) - AVG(discounted_price)
FROM
    mytable
GROUP BY category;
```



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

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



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

SELECT

product_id, product_name, discount_percentage

FROM

mytable

WHERE

discount_percentage **BETWEEN** 0.20 **AND** 0.40;



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

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



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8. Find products where the discounted price ends with a 9

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



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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%';
```



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

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



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