About Amazon

Amazon is one of the world's largest e-commerce and technology companies, known for its vast product selection, fast delivery network, and customer-centric approach. Founded by Jeff Bezos in 1994, Amazon has expanded from an online bookstore into a global marketplace offering everything from electronics and fashion to cloud computing, digital entertainment, and AI solutions. With innovations like Amazon Prime, AWS, and Alexa, the company continues to redefine convenience and set new standards in online shopping and technology services

PROJECT INTRODUCTION

As a data analyst at Amazon, a leading global e-commerce platform, you have been assigned the task of conducting a comprehensive analysis of sales data. The objective is to extract actionable insights by performing various SQL queries on the available datasets. This analysis will support data-driven decision- making processes and contribute to optimizing business strategies.

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

```sql
#1. List all products with a discounted price below ₹500.
SELECT
    product_id, product_name, actual_price, discounted_price
FROM
    amazon.mytable
WHERE
    discounted_price < 500;
```

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

```
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SELECT
    product_id,
    product_name,
    actual_price,
    discounted_price,
    discount_percentage
FROM
    amazon.mytable
WHERE
    discount_percentage > .50;
```

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

```sql
SELECT
    product_id, product_name
FROM
    amazon.mytable
WHERE
    product_name LIKE '%cable%';
```

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

```sql
SELECT
    product_id,
    product_name,
    AVG(actual_price),
    AVG(discounted_price),
    AVG(actual_price) - AVG(discounted_price) AS Diffrence_of_actual_and_discounted
FROM
    amazon.mytable
GROUP BY product_id , product_name;
```

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

```sql
SELECT
    product_id,
    product_name,
    review_id,
    review_title,
    review_content
FROM
    amazon.mytable
WHERE
    review_content LIKE '%fast charging%';
```

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

```sql
SELECT
    product_id, product_name, discount_percentage
FROM
    amazon.mytable
WHERE
    discount_percentage BETWEEN .20 AND .40;
```

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

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

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

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

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

```sql
SELECT
    product_id,
    product_name,
    review_id,
    review_title,
    review_content
FROM
    amazon.mytable
WHERE
    LOWER(review_content) LIKE '%worst%'
        OR LOWER(review_content) LIKE '%waste%'
        OR LOWER(review_content) LIKE '%poor%'
        OR LOWER(review_content) LIKE '%not good%';
```

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

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