amazon

Data Analysis Project using SQL

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OVERVIEW

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INTRODUCTION

Amazon is a multinational technology company that offers a variety of products and services, including online shopping, digital streaming, and cloud computing. Amazon is known for being a one-stop-shop for many people, offering a huge selection of products, from electronics to groceries to apparel

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TASK

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Amazon

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.

Dataset link:

CLICK HERE

RESULT

```
## 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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RESULT

```sql
## Find products where the discounted price ends with a 9


SELECT

    product_name, discounted_price
FROM

    mytable
WHERE

    discounted_price LIKE '%9';
```

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RESULT

```
## 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;
```

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RESULT

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

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

SELECT
    product_name
FROM
    mytable
WHERE
    discount_percentage BETWEEN 0.20 AND 0.40;
```

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RESULT

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

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

RESULT

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


SELECT
    product_name
FROM
    mytable
WHERE
    product_name LIKE '%cable%';
```

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RESULT

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


SELECT
    *
FROM
    mytable
WHERE
    discounted_price < 500;
```

RESULT

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


  SELECT
      product_name
FROM
      mytable
WHERE
      discount_percentage >= 0.50;
```

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RESULT

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


SELECT
    product_name
FROM
    mytable
WHERE
    category LIKE '%accessories%';
```

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THANK YOU

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