



Sales Data Analyzing with MySQL



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INTRODUCTION

As an analyst at Amazon, your task is to explore the sales data to gain insights into pricing, discounts, product categorization, and customer reviews. This analysis will focus on identifying products with specific pricing criteria, examining customer feedback, and finding trends in discounting. The following SQL queries are designed to answer specific questions about the product catalog and reviews, helping Amazon management make informed decisions.



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

```
1  SELECT
2      *
3  FROM
4      mytable
5  WHERE
6      discounted_price < 500;
7
8
```

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

```
1  SELECT
2      product_name
3  FROM
4      mytable
5  WHERE
6      discount_percentage <= 0.05;
7
8
```

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

```
1  SELECT
2      product_name
3  FROM
4      mytable
5  WHERE
6      product_name LIKE '%cable%';
7
8
```

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

```
1 • SELECT
2     product_name,
3     AVG(actual_price - discounted_price) avg_price_difference
4 FROM
5     mytable
6 GROUP BY product_name;
7
8
```

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

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

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

```
1  SELECT
2      product_name
3  FROM
4      mytable
5  WHERE
6      discount_percentage BETWEEN 0.20 AND 0.40;
7
8
```


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

```
1  SELECT
2      product_name
3  FROM
4      mytable
5  WHERE
6      actual_price > 1000 AND rating >= 4;
7
8
```

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

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

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

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

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

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



Thank You

Let's take these actionable steps to not only meet but exceed our customers' expectations and drive Amazon's growth forward. Together, we can turn these insights into impactful results.

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