

Questions on Excel by Krishna(<https://github.com/krishna9004>)

- 1- How can you remove duplicate values in Excel?
- 2-What is the purpose of the IF function in Excel? Provide an example.
- 3-How would you handle missing or incomplete data in a dataset?
- 4-Explain the purpose of the CONCATENATE function in data analysis.
- 5-What is the difference between the AVERAGE and MEDIAN functions?
- 6-What is the purpose of the ROUND function in data analysis?
- 7-Explain the purpose of the VLOOKUP function and provide a scenario where it's useful.
- 8-What types of charts are suitable for representing categorical data?
- 9-Explain the significance of using color coding in data visualization.
- 10-What is the primary purpose of a PivotTable in Excel?
- 11-Can you create a PivotChart without creating a PivotTable first?
- 12-Provide a scenario where you would use nested IF statements and demonstrate how to structure them.
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- 14- How can you split a column into 2 or more columns?
- 15-How do we use the SUMIF() function in Excel?

| Product Name | Sales Quantity | Unit Price | Date of Sale |
|--------------|----------------|------------|--------------|
| Product A | 100 | \$20 | 2023-01-01 |
| Product B | 150 | \$15 | 2023-01-02 |
| Product A | 75 | \$22 | 2023-01-03 |
| Product C | 120 | \$18 | 2023-01-04 |
| Product B | 200 | \$14 | 2023-01-05 |
| ... | ... | ... | ... |

Based on above table questions from 16-18

- 16- Identify the Top-Selling Product Based on Total Revenue
- 17-Calculate the Average Unit Price for Each Product
- 18- Implement the TEXT Function to Extract Month and Year from the Date

| Name | Date | Time | Total Sales | Expense |
|--------|------------|----------|-------------|---------|
| John | 2023-01-01 | 10:30 AM | \$500 | \$50 |
| Emily | 2023-01-02 | 11:45 AM | \$700 | \$80 |
| Mark | 2023-01-03 | 09:15 AM | \$400 | \$40 |
| Alice | 2023-01-04 | 02:00 PM | \$900 | \$70 |
| Bob | 2023-01-05 | 01:20 PM | \$600 | \$60 |
| Sarah | 2023-01-06 | 03:45 PM | \$550 | \$45 |
| Chris | 2023-01-07 | 12:30 PM | \$800 | \$90 |
| Linda | 2023-01-08 | 10:00 AM | \$300 | \$30 |
| Tom | 2023-01-09 | 01:15 PM | \$750 | \$75 |
| Olivia | 2023-01-10 | 04:30 PM | \$650 | \$65 |
| Jake | 2023-01-11 | 11:00 AM | \$420 | \$55 |
| Emma | 2023-01-12 | 02:45 PM | \$820 | \$85 |
| Ethan | 2023-01-13 | 09:00 AM | \$480 | \$50 |
| Ava | 2023-01-14 | 01:30 PM | \$700 | \$70 |
| Noah | 2023-01-15 | 03:00 PM | \$600 | \$60 |
| Mia | 2023-01-16 | 12:15 PM | \$550 | \$45 |
| Liam | 2023-01-17 | 02:30 PM | \$720 | \$80 |
| Sophia | 2023-01-18 | 11:45 AM | \$680 | \$70 |
| James | 2023-01-19 | 04:15 PM | \$900 | \$90 |
| Lily | 2023-01-20 | 10:45 AM | \$480 | \$50 |

Based on above table questions from 19-21

19-Sort the data based on the "Total Sales" column in descending order.

20-Calculate the Total Sales for the month of January.

21-How would you use Advanced Filtering to extract rows where Total Sales exceed \$700?

22-How are nested IF statements used in Excel?

23-Is it possible to create a Pivot Table using multiple sources of data?

24-How does a Slicer work in Excel?

| Product | Category | Sales | Date |
|------------|-------------|-------|------------|
| Laptop | Electronics | 1200 | 2023-01-01 |
| Smartphone | Electronics | 800 | 2023-01-02 |
| Headphones | Electronics | 150 | 2023-01-03 |
| Desk Chair | Furniture | 300 | 2023-01-01 |
| Sofa | Furniture | 1200 | 2023-01-02 |
| Desk | Furniture | 500 | 2023-01-03 |
| Sneakers | Fashion | 200 | 2023-01-01 |
| Sunglasses | Fashion | 120 | 2023-01-02 |
| Backpack | Fashion | 80 | 2023-01-03 |

Based on above table questions from 25-30

25-Create a PivotTable summarizing total sales for each product.

26-How can you filter the PivotTable to show only products in the "Electronics" category?

27-Group the PivotTable by months based on the "Date" field.

28-Add a calculated field to the PivotTable to display the average sales per product.

29-Generate a PivotChart to visually represent the total sales by category

30- How can you filter the PivotTable to show only products with sales greater than 200 in the "Electronics" category?