**State-wise Sales Analysis: Bar Chart Visualization**

**Your task is to find out the total sales of each state by creating a horizontal bar chart of state vs. sales to gain insights into the sales performance across different states. The bars should be sorted in a way so that the state with maximum sales value is on the top and the state with lowest sales value is at the bottom.**

**Example approach\_SecondQuestion**

1: Create a new DataFrame called pie\_df by selecting the 'category' and 'sales' columns from the original DataFrame df.

pie\_df = df.loc[:, ['category', 'sales']]

2: Group the pie\_df DataFrame by the 'category' column and calculate the sum of the 'sales' column for each category.

pie\_df = pie\_df.groupby('category').sum()

3: Print the pie\_df DataFrame to display the total sales for each category.

print(pie\_df)

4: Create a pie chart using the 'sales' column from the pie\_df DataFrame as the values and the index (categories) as the labels. Use autopct='%1.1f%%' parameter to format the percentages on the pie chart.

plt.pie(pie\_df['sales'], labels=pie\_df.index, autopct='%1.1f%%')

5: In the same code block, add a title to the pie chart using plt.title('Sales by Category') and display the pie chart.

plt.title('Sales by Category')

plt.show()

You output should look like this:

A pie chart with text on it

AI-generated content may be incorrect.