Part 1: Setup & Exploration (10 mins)

Tasks:

1. Import seaborn, pandas, and matplotlib.pyplot.
2. Load the built-in **tips** dataset.
3. Display the first 5 rows using .head().
4. Check basic stats using .describe().

Part 2: Distribution Plots (15 mins)

Tasks:

1. Create a histogram of total_bill using sns.histplot().
2. Plot a KDE (smoothed curve) for tip using sns.kdeplot().
3. Create a combined distribution plot with histogram + KDE for total_bill.

Part 3: Categorical Plots (20 mins)

Tasks:

1. Use sns.boxplot() to show total_bill across different days.
2. Use sns.violinplot() to compare total_bill distribution by sex.
3. Create a stripplot() of total_bill by day, colored by sex, with jitter=True.
4. Bonus: Combine a violinplot() and stripplot() using ax = plt.gca().

Part 4: Relationship Plots (15 mins)

Tasks:

1. Create a scatterplot() of total_bill vs tip, colored by smoker.
2. Use sns.pairplot() with hue='sex' to explore relationships.
3. Use sns.jointplot() (kind='reg') to show total_bill vs tip with regression.

Part 5: Correlation Heatmap (10 mins)

Tasks:

1. Load the built-in titanic dataset.
2. Drop any non-numeric columns.
3. Compute the .corr() matrix.
4. Plot a heatmap with:
    - annot=True
    - cmap="coolwarm"
    - linewidths=0.5