import pandas as pd

import matplotlib.pyplot as plt

data\_dict = {

'Group X': [4, 7, 1, 8, 5],

'Group Y': [5, 2, 8, 3, 6],

'Group Z': [7, 5, 3, 4, 9]

}

index\_labels = ['Element 1', 'Element 2', 'Element 3', 'Element 4', 'Element 5']

dataframe = pd.DataFrame(data\_dict, index=index\_labels)

# Side-by-side bar plot

axis1 = dataframe.plot(kind='bar', figsize=(10, 6))

axis1.set\_xlabel('Elements')

axis1.set\_ylabel('Values')

axis1.set\_title('Side-by-Side Bar Plot')

plt.xticks(rotation=0)

plt.show()

# Stacked bar plot

axis2 = dataframe.plot(kind='bar', stacked=True, figsize=(10, 6))

axis2.set\_xlabel('Elements')

axis2.set\_ylabel('Values')

axis2.set\_title('Stacked Bar Plot')

plt.xticks(rotation=0)

plt.show()