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import pandas as pd

# Read the first sheet of an Excel file
df = pd.read_excel('your_file.xlsx')

# Read a specific sheet by name
df = pd.read_excel('your_file.xlsx', sheet_name='Sales')

# Read multiple sheets into a dictionary of DataFrames
dfs = pd.read_excel('your_file.xlsx', sheet_name=None)
df.head()       # First 5 rows
df.tail()       # Last 5 rows
df.shape        # (rows, columns)
df.columns      # List of column names
df.info()       # Summary of data types and non-null counts
df.describe()   # Statistical summary (mean, std, min, etc.)
df['ColumnName']           # Select a single column
df[['Col1', 'Col2']]       # Select multiple columns
df.iloc[0]                 # First row by index
df.loc[0]                  # First row by label
df.iloc[0:5, 0:3]          # Slice rows and columns
df.drop('ColumnName', axis=1)       # Drop a column
df.drop([0, 1], axis=0)             # Drop rows
df.rename(columns={'Old': 'New'})   # Rename columns
df['NewCol'] = df['Col1'] + df['Col2']  # Create new column
df.fillna(0)                        # Replace NaN with 0
df.dropna()                         # Remove rows with NaN
df.sort_values(by='Sales', ascending=False)
df[df['Region'] == 'South']         # Filter rows by condition
```

import pandas as pd df = pd.DataFrame({ 'Name': ['Aarav', 'Diya', 'Kabir'], 'Score': [85, 92, 78] }) # Replace 'Aarav' with 'Aarav Gupta' df['Name'] = df['Name'].replace('Aarav', 'Aarav Gupta') print(df)	df[df['Score'] > 80]	df['Result'] = df['Score'].apply(lambda x: 'Pass' if x >= 80 else 'Fail')	import numpy as np df['Grade'] = np.where(df['Score'] >= 90, 'A', 'B')	df.loc[df['Score'] < 80, 'Score'] += 5	df[(df['Score'] > 80) & (df['Name'] == 'Diya')]