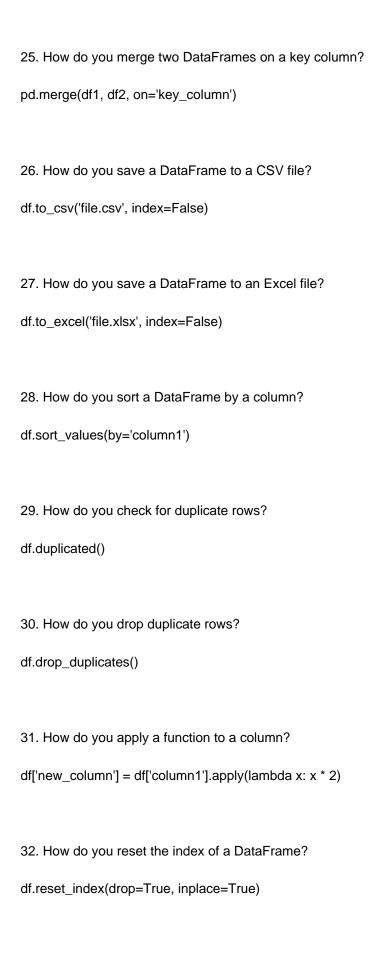
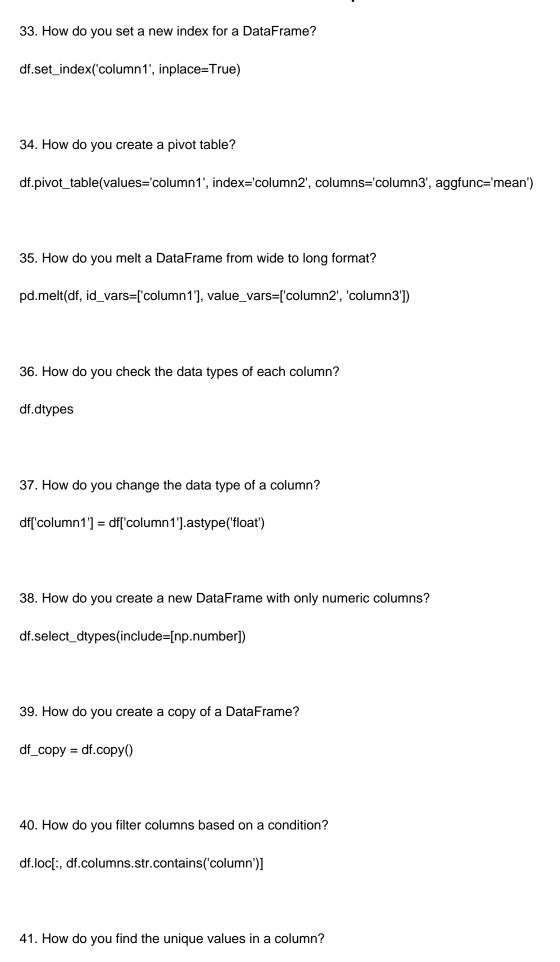


df.rename(columns={'old_name': 'new_name'}, inplace=True)
17. How do you check for missing data? df.isnull()
18. How do you count missing values in each column? df.isnull().sum()
19. How do you drop rows with missing values? df.dropna()
20. How do you fill missing values with a specific value? df.fillna(value=0)
21. How do you group data by a column and calculate the mean of each group? df.groupby('column1').mean()
22. How do you perform aggregation on grouped data? df.groupby('column1').agg({'column2': 'sum', 'column3': 'mean'})
23. How do you concatenate DataFrames vertically? pd.concat([df1, df2], axis=0)
24. How do you concatenate DataFrames horizontally? pd.concat([df1, df2], axis=1)





df['column1'].unique()
42. How do you count the frequency of unique values in a column? df['column1'].value_counts()
43. How do you create dummy variables for categorical data?
pd.get_dummies(df, columns=['column1'])
44. How do you concatenate strings in a column? df['new_column'] = df['column1'] + ' ' + df['column2']
45. How do you find the correlation between columns? df.corr()
46. How do you apply a function to every element in a DataFrame? df.applymap(lambda x: x * 2)
47. How do you drop rows based on a condition?
df.drop(df[df['column1'] < 2].index, inplace=True)
48. How do you create a DataFrame from a list of lists? data = [[1, 'a'], [2, 'b'], [3, 'c']] df = pd.DataFrame(data, columns=['column1', 'column2'])
49. How do you create a DataFrame from a NumPy array?

import numpy as np

data = np.array([[1, 2], [3, 4]])

df = pd.DataFrame(data, columns=['column1', 'column2'])