import pandas as pd

import matplotlib.pyplot as plt

df = pd.DataFrame({

'rollno': [1, 2, 3, 4, 5],

'name': ['Alice', 'Bob', 'Charlie', 'David', 'Eva'],

'place': ['NY', 'LA', 'TX', 'FL', 'WA'],

'mark': [85, 90, 78, 88, 92]

})

df.to\_csv('stud.csv', index=False)

df = pd.read\_csv('stud.csv')

df.set\_index('rollno', inplace=True)

print(df)

print(df[['name', 'mark']])

print(df.sort\_values('name')[['name', 'mark']])

print(df.sort\_values('mark', ascending=False)[['name', 'mark']])

print(df['mark'].mean())

print(df['mark'].median())

print(df['mark'].mode()[0])

print(df['mark'].min())

print(df['mark'].max())

print(df['mark'].var())

print(df['mark'].std())

df['mark'].hist()

plt.show()

df.drop(columns='place', inplace=True)

print(df)