**PANDAS**

1. **Create a data series with marks of students : 75, 80, 79, 60**

Import pandas as pd

pd.Series([75, 80,79, 600])

1. **Create a data frame with name of students, id and marks.**

pd.DataFrame({“Name”: [“Nibras”, “Khokhar”], “Marks”: [10, 9]})

1. **Now read the file 'data.csv' in panda.**

pd.read\_csv(data.csv)

1. **What are the columns in the dataframe?**

data.columns

1. **Sort the data based on Marks obtained. Fill all the 'na' cells with 0.**

b = a.sort([“Final (50)”])

print(b)

1. **Display the top 10 rows.**

a.head(10)

1. **Display the last 10 rows.**

a.tail(10)

1. **Display only the odd rows.**

data[1:10:2}

data[::2]

1. **Display only those students who got failed in examination.**

data[data[data.Marks<60]]

1. **Find out the basic statistical info about data**

a[a.Grade==’F’]

1. **How many students got A, B, C, F?**

a.groupby(‘Grade’).count()

1. **What are the mean scores for students who got A, B, C, F?**

a.groupby(‘Grade’).mean()