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**EX. NO:** 04

**DATE**: 23/03/2024

## Store and Load Excel / CSV files.

## AIM:

To store (save) and load data from Excel and CSV files using pandas.

## **PROGRAM:**

```
import pandas as pd
#reading excel sheets using pandas
d=pd.read_excel("D:\jupyter 1.xlsx")
df=pd.DataFrame(d)
#printing columns headings and shape
print('\n',df.columns)
print('\n',df.shape)
#print particular column values
print('\n',df['maths'])
#slice the table values
print('\n',df[1:10:2])
print('\n',df.loc[3])
#Get particular row values through particular column identification print('\n', df.loc[d['Roll.No']==2])
#Avg values of particular column
df=d['english']/5
print('\n',df)
   Roll.No english maths
    1 99 5 89 47
 Index(['Roll.No', 'english', 'maths'], dtype='object')
 (5, 3)
       56
Name: maths, dtype: int64
    Roll.No english maths
1 2 94 87
3 4 99 99
Roll.No 4
english 99
maths 99
Name: 3, dtype: int64
    Roll.No english maths
 0 19.8
1 18.8
2 15.2
3 19.8
Name: english, dtype: float64
```

```
import pandas as pd

# Sample data
data = {"Name": ["Alice", "Bob", "Charlie"], "Age": [25, 30, 22]}
df = pd.DataFrame(data)

# Save to CSV file (with index)
df.to_csv("people.csv", index=True)

# Save to CSV file (without index)
df.to_csv("people_no_index.csv", index=False)
print(df)
Name Age
```

```
0 Alice 25
1 Bob 30
2 Charlie 22
```

## **RESULT:**

Hence the Load and Store operation is implemented successfully.