

EX. NO: 04

DATE : 23/03/2024

220801153

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")
print(d)
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])

#get particular row value
print('\n',df.loc[3])

#Get particular row values through particular column identification
print('\n',df.loc[df['Roll.No']==2])

#Avg values of particular column
df=df['english']/5
print('\n',df)
```

```
Roll.No  english  maths
0         1      99     56
1         2      94     87
2         3      76    100
3         4      99     99
4         5      89     47
```

```
Index(['Roll.No', 'english', 'maths'], dtype='object')
```

```
(5, 3)
```

```
0      56
1      87
2     100
3      99
4      47
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
1         2      94     87
```

```
0      19.8
1      18.8
2      15.2
3      19.8
4      17.8
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.