

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")
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.