

STORE

Ex.No. :3b

Date :

AIM:

To store a dataset to perform store operation in jupyter notebook.

SOFTWARE USED:

Jupyter notebook

DESCRIPTION:

1. Create a dataframe and store the data into a specified excel file.
2. To read two excel file data and merge through append function and store the merged data into new excel file.
3. Using sort function to sort and store the resultant data into a new excel file.
4. Read and display the cs file.
5. List the column headings and get the length of the data.

PROGRAM:

```
import pandas as pd

a=pd.DataFrame([[1,2,3],[4,5,6],[7,8,9]],index=['One','Two','Three'],columns=['a','b','c'])

print(a)

a.to_excel("/Users/student/Downloads/store1.xlsx")

c=pd.DataFrame([[6,7],[1,2]],index=['a','b'],columns=['X','Y'])

c.to_excel("/Users/student/Downloads/Sheet2.xlsx",sheet_name="Sheet2")

X=pd.read_excel("/Users/student/Downloads/Sheet1.xlsx")

Y=pd.read_excel("/Users/student/Downloads/Sheet2.xlsx")

Z=pd.concat([X,Y])

Z.to_csv("/Users/student/Downloads/Store1.csv")
```

```
d=Z.sort_values(["X"])
```

```
print(d)
```

```
d=Z.sort_values(["Y"])
```

```
print(d)
```

```
df=pd.read_excel("/Users/student/Downloads/Sheet1.xlsx")
```

```
print(df)
```

```
print(list(df))
```

```
print(format(len(df)))
```

OUTPUT:

```
      a b c
One   1 2 3
Two   4 5 6
Three 7 8 9
```

```
      a b c
One   1 2 3
Two   4 5 6
Three 7 8 9
```

```
      X  Y  Z
Four  10 20 30
Five  40 50 60
Six   70 80 90
```

```
      X  Y
a     6  7
b     1  2
```

Unnamed:	0	a	b	c	X	Y
1	b	NaN	NaN	NaN	1.0	2.0
0	a	NaN	NaN	NaN	6.0	7.0
0	One	1.0	2.0	3.0	NaN	NaN
1	Two	4.0	5.0	6.0	NaN	NaN
2	Three	7.0	8.0	9.0	NaN	NaN

Unnamed:	0	a	b	c	X	Y
1	b	NaN	NaN	NaN	1.0	2.0
0	a	NaN	NaN	NaN	6.0	7.0
0	One	1.0	2.0	3.0	NaN	NaN
1	Two	4.0	5.0	6.0	NaN	NaN
2	Three	7.0	8.0	9.0	NaN	NaN

Unnamed:	0	X	Y
0	a	6	7
1	b	1	2

['Unnamed: 0', 'X', 'Y']

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Result:

Thus data has been stored and manipulated from the dataframe to excel using pandas.