

ASS1

August 16, 2023

```
[1]: import pandas as pd
d_txt = pd.read_csv('D:/ASS1/cgpa.txt' ,sep=',')
print(d_txt)
```

	roll_no	Name	CGPA
0	SYITB126	Rohit Wani	8.78
1	SYITB128	Yash Yadav	8.60
2	SYITB129	Divij Joshi	9.00

```
[2]: d_excel = pd.read_excel('D:/ASS1/cgpa.xlsx')
print(d_excel)
```

	roll_no	Name	CGPA
0	SYITB126	Rohit Wani	8.78
1	SYITB128	Yash Yadav	8.60
2	SYITB129	Divij Joshi	9.00

```
[7]: print(d_excel['Name'].loc[1])
print(d_excel['Name'].loc[d_excel.index[1]])
print(d_excel['roll_no'].iloc[-1])
```

Yash Yadav
Yash Yadav
SYITB129

```
import xml.etree.ElementTree as ET tree = ET.parse('D:/ASS1/cgpa.xml') root = tree.getroot()
print(root.text)
```

```
[6]: import xml.etree.ElementTree as ET
tree = ET.parse('D:/ASS1/cgpa.xml')
root = tree.getroot()
print(root)
print(root[1][0].text)
print(root[-1][-1].text)
for tree in root:
    print(tree[0].tag)
    print(tree[0].text)
    print(tree[1].tag)
```

```
print(tree[1].text)
```

```
<Element 'Student' at 0x0000018745C5D090>
102
CS
rollno
101
name
Rohit Wani
rollno
102
name
Yash Yadav
```

```
[3]: import csv
fields = ['Roll No', 'Name', 'Branch', 'Division', 'Year']
with open('D:/ASS1/branch.csv', 'w', newline='') as OutFile:
    writer = csv.writer(OutFile)
    writer.writerow(fields)
    features = []
    for i in range(5): # by default 0 to 4
        #a = [int(input()), input(), input()]
        b = int(input())
        c = input()
        d = input()
        e = input()
        f = input()
        a = [b, c, d, e, f]
        features.append(a)
    writer.writerows(features)
    print(writer)
```

```
1
Rohit
IT
B
TY
2
Abhishek
ITa
D
TY
3
Divij
CS
C
SY
4
```

```
Satish
ENTC
E
FY
5
Chetan
IT
B
TY
<_csv.writer object at 0x0000018745C643B0>
```

```
[ ]:
```