

```
In [23]: import pandas as pd
import numpy as np
df=pd.read_csv('student.txt')
print(df)
```

	sno	m1	m2	m3	m4	m5	m6
801	25	26	27	22	19		18
802	22	23	24	20	21		17
803	18	21	20	17	19		22
804	20	20	20	21	22		23
805	28	27	26	28	27		29
806	12	16	17	19	22		23
807	20	20	20	20	21		22

```
In [ ]: import pandas as pd
import numpy as np
df=pd.read_csv('st.txt')
print('\n',df)
print(df.index)
```

```
In [24]: import pandas as pd
import numpy as np
df=pd.read_csv('st.txt',header=None)
print('\n',df)
print(df.index)
```

	0	1	2	3
0	801	23	25	26
1	802	19	19	22
2	803	28	29	26
3	804	27	26	25
4	805	19	18	17

RangeIndex(start=0, stop=5, step=1)

```
In [25]: import pandas as pd
import numpy as np
df=pd.read_csv('st.txt',names=['name','s1','s2','s3'])
print('\n',df)
print(df.index)
```

	name	s1	s2	s3
0	801	23	25	26
1	802	19	19	22
2	803	28	29	26
3	804	27	26	25
4	805	19	18	17

RangeIndex(start=0, stop=5, step=1)

```
In [26]: import pandas as pd
import numpy as np
cnames=['name','s1','s2','s3']
df=pd.read_csv('st.txt',names=cnames)
print('\n',df)
print(df.index)
```

```

      name  s1  s2  s3
0   801  23  25  26
1   802  19  19  22
2   803  28  29  26
3   804  27  26  25
4   805  19  18  17
RangeIndex(start=0, stop=5, step=1)

```

In [28]:

```

import pandas as pd
import numpy as np
df=pd.read_csv('st1.txt',index_col=['y','s'])
print('\n',df)

```

```

      r  m
y s
1 1  801  78
   1  802  88
   1  803  86
2 2  801  76
   2  802  67
   2  803  89

```

In [29]:

```

import pandas as pd
import numpy as np
df=pd.read_csv('st1.txt',index_col=['y','s','r'])
print('\n',df)

```

```

      m
y s r
1 1 801  78
   802  88
   803  86
2 2 801  76
   802  67
   803  89

```

In [30]:

```

import pandas as pd
import numpy as np
df=pd.read_csv('st2.txt',index_col=['y','s','r'])
print('\n',df)

```

```

      m
y s r
1 1 801  78
   802  88
   803  86
   2 801  77
   802  66
   803  77
2 2 801  76
   802  67
   803  89

```

In [31]:

```

import pandas as pd
import numpy as np
df=pd.read_csv('st4.txt',sep='\s+')
print('\n',df)

```

		y,s,r,m
1	1	801 78
		802 88
		803 86
2	2	801 76
		802 67
		803 89

```
In [32]: import pandas as pd
import numpy as np
df=pd.read_csv('student1.txt',skiprows=[1,2,4])
print('\n',df)
```

	sno	m1	m2	m3	m4	m5	m6
803	18	21	20	nan	19		22
805	28	27	26	28	27		29
806	12	16	17	19	22		23
807	20	20	20	20	21		22
808	22	23	24	25	26		27
809	25	26	27	22	19		18
810	22	23	28	20	21		27
811	25	26	27	22	19		18
812	29	23	29	20	21		19
813	25	26	27	22	19		28
814	27	23	24	24	21		17

```
In [33]: df=pd.read_csv('example1.txt')
print(pd.isnull(df))
```

	something	a	b	c	d	message
0	False	False	False	False	False	True
1	False	False	False	True	False	False
2	False	False	False	False	False	False

```
In [ ]: df=pd.read_csv('example1.txt',na_values=['NULL'])
print(df)
```

```
In [34]: df= pd.read_csv('student1.txt', nrows=4)
print(df)
```

	sno	m1	m2	m3	m4	m5	m6
801	25	26	27	22	19		18
802	22	23	24	20	21		17
803	18	21	20	nan	19		22
804	20	20	20	21	22		nan

```
In [35]: chunker = pd.read_csv('student1.txt', chunksize=4)
for i in chunker:
    print(i)
```

	sno	m1	m2	m3	m4	m5	m6
801	25	26	27	22	19		18
802	22	23	24	20	21		17
803	18	21	20	nan	19		22
804	20	20	20	21	22		nan

	sno	m1	m2	m3	m4	m5	m6
--	-----	----	----	----	----	----	----

805	28	27	26	28	27	29	
806	12	16	17	19	22	23	
807	20	20	20	20	21	22	
808	22	23	24	25	26	27	
	sno	m1	m2	m3	m4	m5	m6
809	25	26	27	22	19	18	
810	22	23	28	20	21	27	
811	25	26	27	22	19	18	
812	29	23	29	20	21	19	
	sno	m1	m2	m3	m4	m5	m6
813	25	26	27	22	19	28	
814	27	23	24	24	21	17	

In [16]:

```
df= pd.read_csv('student1.txt', nrows=4)
print(df)
df.to_csv('temp1.txt')
```

	sno	m1	m2	m3	m4	m5	m6
801	25	26	27	22	19	18	
802	22	23	24	20	21	17	
803	18	21	20	17	19	22	
804	20	20	20	21	22	23	

In [37]:

```
df=pd.read_csv('student1.txt',nrows=5)
df.to_csv('temp2.txt',sep=';', na_rep='NULL')
df=pd.read_csv('temp2.txt')
print(df)
```

```
;;;;;sno m1 m2 m3 m4 m5 m6
0      801;25;26;27; 22;19; 18
1      802;22;23;24; 20;21; 17
2      803;18;21;20; nan;19; 22
3      804;20;20;20; 21;22; nan
4      805;28;27;26; 28;27; 29
```

In []: