

#### 4. Assign own index in a dataframe

import pandas as pd

```
data = {  
    'st_name':['Varun','Aftab','Dipika'],  
    'email':['varun@gmail.com','aftab@rediff.com','dipika@yahoo.com']  
}
```

```
df = pd.DataFrame(data, index = ["student1", "student2", "student3"])
```

```
print(df)
```

#### 5. Reading a csv file using pandas

spyder (Python 3.12)

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C:\Users\UEM\spyder-py3

temp.py x

```
1 import pandas as pd
2 path="C:/Users/UEM/Desktop/ML_LAB/"
3 data=pd.read_csv(path+"employees.csv")
4 print(data)
5
```

Variable Explorer

Name	Type	Size	Value
data	DataFrame	(51, 11)	Column names: employ_
df	DataFrame	(3, 2)	Column names: st_name email
dtf	DataFrame	(3, 2)	Column names: st_name email
dtf_length	int	1	3
path	str	28	C:/Users/UEM/Desktop/ ML_LAB/
st_dataset	dict	2	{'st_name': ['Varun', ...]}

Help Variable Explorer Plots Files

Console 3/A x

Line	Code	Output
40	140	joshua ... 125.0
50		
41	141	Trenna ... 124.0
50		
42	142	Curtis ... 124.0
50		
43	143	Randall ... 124.0
50		
44	144	Peter ... 124.0
50		
45	145	John ... 100.0
80		
46	146	Karen ... 100.0
80		
47	147	Alberto ... 100.0
80		
48	148	Gerald ... 100.0

Activate Windows  
Go to Settings to activate Windows.

Python Console History

conda base (python 3.12.4) Completions: conda LSP: Python Line 5, Col 1 ASCII ORLF RW Mem 67



```
path="C:/Users/UEM/Desktop/ML_LAB/"  
data=pd.read_csv(path+"employees.csv")  
print(data)
```

**6. Reading a csv file and add one extra column by calculating from one existing column**

```
import pandas as pd  
path=" C:/Users/UEM/Desktop/ML_LAB/"  
data=pd.read_csv(path+"employees.csv")  
data1=data  
data1=data1.assign(commission_yearly=data1['salary']*0.2)  
print(data)
```

**7. Removing the header of a dataframe**

```
import pandas as pd
```