

Lab Ass - 14



Date ___ / ___ / ___

Use iterrows() to extract data from dataframe row wise

→ Import pandas as pd

create dataframe df1

```
l = [[34500, 44900, 54500],  
      [56000, 46100, 51000],  
      [47000, 57000, 57000],  
      [49000, 59000, 58500]]
```

```
index = ['qtr1', 'qtr2', 'qtr3', 'qtr4']
```

```
col = ['yr1', 'yr2', 'yr3']
```

```
df1 = pd.DataFrame(l, index=index, columns=col)
```

```
for (row, series) in df1.iterrows():  
    print('row =', row)  
    print(series)
```

out[]

row = qtr1

yr1 = 34500

yr2 = 44900

yr3 = 54500

row = qtr3

yr1 = 47000

yr2 = 57000

yr3 = 57000

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row = qtr2

yr1 = 56000

yr2 = 46100

yr3 = 51000

row = qtr4

yr1 = 49000

yr2 = 59000

yr3 = 58500

Lab Ass - 15

Use `iteritems` fn to extract data from dataframe column wise.

→ `import pandas as pd`

```
d = [[34500, 44900, 54500], [56000, 46100, 51000],  
      [47000, 57000, 57000], [49000, 59000, 58500]]
```

```
col = ['Yr1', 'Yr2', 'Yr3']
```

```
index = ['qtr1', 'qtr2', 'qtr3', 'qtr4']
```

```
df1 = pd.DataFrame(d, index=index, col=col)
```

```
for (col, series) in df1.iteritems():  
    print('column:', col)  
    print(series)
```

output()

column = Yr1

qtr1 = 34500

qtr2 = 56000

qtr3 = 47000

qtr4 = 49000

column = Yr2

qtr1 = 44900

qtr2 = 46100

qtr3 = 57000

qtr4 = 59000

column = Yr3

qtr1 = ~~4400~~ 54500

qtr2 = 51000

qtr3 = 57000

qtr4 = 58500