Python Pandas DataFrames

__/__/____

JPNotes

* Python Merge, Join, and Concatenate DataFrames

In Dataframe df.merge(), df.join() and df.concat() methods help in joining, merging and concating different dataframe.

Concatenating Dataframe

We use concat() function which helps in concatenating a dataframe.

Example:-

```
import pandas as pd
df1 = pd.Dataframe
{'A': ['A0', 'A1', 'A2', 'A3'],
 'B': ['B0', 'B1', 'B2', 'B3'],
 'C': ['C0', 'C1', 'C2', 'C3'],
 'D': ['D0', 'D1', 'D2', 'D3']},
index=[0,1,2,3])

df2 = pd.DataFrame({'A':
 ['A4', 'A5', 'A6', 'A7'],
```

```
'B': ['B4', 'B5', 'B6', 'B7'],
'C': ['C4', 'C5', 'C6', 'C7'],
'D': ['D4', 'D5', 'D6', 'D7']},
  index = [4,5,6,7])

df3 = pd.DataFrame({
      'A': ['A8', 'A9', 'A10', 'A11'],
      'B': ['B8', 'B9', 'B10', 'B11'],
      'C': ['C8', 'C9', 'C10', 'C11'],
      'D': ['D8', 'D9', 'D10', 'D11']},
    index = [8,9,10,11]
```

JP Notes

```
pd.concat([df1, df2, df3])
```

Output

	A	B	C	D
0	A0	B0	C0	D0
1	A1	B1	C1	D1
2	A2	B2	C2	D2
3	A3	B3	C3	D3
4	A4	B4	C4	D4
5	A5	B5	C5	D5
6	A6	B6	C6	D6
7	A7	B7	C7	D7
8	A8	B8	C8	D8
9	A9	B9	C9	D9
10	A10	B10	C10	D10
11	A11	B11	C11	D11

Notes by: jpwebdevelopers

✓The Good Paper