ONE PAGE SUMMARY PANDAS.ASSIGN()

- **Pandas.assign**() method is used to add a new column into dataframe.
- **Syntax :**

    DataFrame.assign(kwargs)**

- **Parameter:**

    **kwargs – kwargs are column with values, here we pass column name with values, this will assign columns to the dataframe.

- After running the command, new column will add to the dataframe.

Pandas.assign() method

In [1]:
```python
# importing pandas library'
import pandas as pd
```

Example 1

In [10]:
```python
# creating empty dataframe
df1 = pd.DataFrame()

#adding a new column to the dataframe
df1['Name'] = ["john", "smith", "shawn", "mark"]

# printing dataframe after adding column
print(df1)

# adding column with assign method
df1.assign(age = [10,13,12,11])
```

```
     Name
0    john
1   smith
2   shawn
3    mark
```

Out[10]:

	Name	age
0	john	10
1	smith	13
2	shawn	12
3	mark	11

Example 2

In [12]:
```python
# creating empty dataframe
df1 = pd.DataFrame()

#adding a new column to the dataframe
df1['City'] = ["Delhi", "Heydarabad", "Ahmedabad", "Pune"]

# printing dataframe after adding column
print(df1)

# adding multiple column with assign method
df1.assign(state=['delhi', 'Telangana', 'Gujarat', 'Maharashtra'], temprature=[34, 30, 31,28])
```

```
        City
0        Delhi
1   Heydarabad
2    Ahmedabad
3         Pune
```

Out[12]:

	City	state	temprature
0	Delhi	delhi	34
1	Heydarabad	Telangana	30
2	Ahmedabad	Gujarat	31
3	Pune	Maharashtra	28

In [ ]: