

	name	type	value
0	Mike	a+	98
1	Jery	a-	144
2	Tomy	b	108

In [3]: df2

Out[3]:

	type	low	high
0	a+	78	97
1	a-	108	143
2	b	108	150

Similar sized dataframes

In [4]: `import numpy as np`
`df1['low_value'] = np.where(df1.type == df2.type, 'True', 'False')`

In [5]: df1['low_value']

Out[5]: 0 True
1 True
2 True
Name: low_value, dtype: object



In [6]: *# compare using np.where whether values from first dataframe has match in the column of the second*
`import numpy as np`
`df1['low_high'] = np.where(df1.value < df2.high, 'True', 'False')`

In [7]: df1['low_high']

Out[7]: 0 False
1 False
2 True

