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Python Pandas Tutorial

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where() Examples

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Note that where() method replaces all column values of a DataFrame row when the condition becomes False, other rows are untouched.

1. DataFrame.where() Syntax

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Following is the syntax of the `DataFrame.where()` function. This function takes parameters `cond`, `other`, `inplace`, `axis`, `level`, `errors`, `try_cast`. Returns `DataFrame`. When `inplace=True` used, it returns `None`. When a caller is `Series`, it returns the `Series` object.

```
# DataFrame.where() syntax
DataFrame.where(cond, other=r
```

Parameters Explanation:

- **cond** – Accepts one or more conditions. Takes either ***bool Series/DataFrame, array-like, or callable***
- **other** – Value to replace with. Takes either ***scalar, Series/DataFrame, or callable***
- **inplace** – If True, it updates the existing `DataFrame` and return `None`. Default set to False.
- **axis** – rows/columns axis. Takes ***int, default None***
- **level** – Alignment leve.
- **errors** – Specify whether to raise any error in event of failure. Accepts ***str, {'raise', 'ignore'}, default 'raise'***

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(<https://sparkbyexamples.com/pandas/pandas-merge-dataframes-explained-examples/>).

[Pandas – Concat DataFrames](https://sparkbyexamples.com/pandas/pandas-concat-dataframes-explained/)  
(<https://sparkbyexamples.com/pandas/pandas-concat-dataframes-explained/>).

[Pandas – Append DataFrames](https://sparkbyexamples.com/pandas/pandas-append-usage-by-examples/)  
(<https://sparkbyexamples.com/pandas/pandas-append-usage-by-examples/>).

[Pandas – Fill NaN with Value](https://sparkbyexamples.com/pandas/pandas-dataframe-fillna-fill-nan-column-values/)  
(<https://sparkbyexamples.com/pandas/pandas-dataframe-fillna-fill-nan-column-values/>).

[Pandas – Drop Rows with NaN](https://sparkbyexamples.com/pandas/pandas-dropna-usage-examples/)  
(<https://sparkbyexamples.com/pandas/pandas-dropna-usage-examples/>).

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(<https://sparkbyexamples.com/pandas/pandas-write-excel/>).

- **try\_cast** – Cast the result back to input type. (Available since 1.3.0 version)

Let's create a DataFrame and explore the where() function usage with examples.

```
# Create DataFrame
import pandas as pd
import numpy as np

technologies= {
    'Courses': ["Spark", "PySpark", "Python"],
    'Fee' : [22000, 25000, 23000],
    'Discount': [1500, 1000, 1200],
    'Duration': ['30days', '50days', '35days']
}

df = pd.DataFrame(technologies)
print(df)
```

Yields below output.

	Courses	Fee	Discount	Duration
0	Spark	22000	1500	30days
1	PySpark	25000	1000	50days
2	Spark	23000	1200	35days
3	Python	24000	800	30days
4	PySpark	26000	1300	45days

## 2. pandas where()

### Example

In pandas where() function behaves differently than SQL where clause, here it is used similar to **if then/if else**. It checks one or multiple conditions specified with cond param and replace with a other value when condition becomes False.

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## Pandas Functions Usage

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```
# Default example
df2=df.where(df.Fee > 23000)
print(df2)
```

Yields below output. Note that by default it replaces with `numpy.NaN`. You can [drop rows with NaN \(https://sparkbyexamples.com/pandas/pandas-drop-rows-with-nan-values-in-dataframe/\)](#) using `DataFrame.dropna()` function [\(https://sparkbyexamples.com/pandas/pandas-dropna-usage-examples/\)](#).

	Courses	Fee	Discount
0	NaN	NaN	NaN
1	PySpark	25000.0	1000.0
2	NaN	NaN	NaN
3	Python	24000.0	800.0
4	PySpark	26000.0	1300.0

## 3. Update with Another Value

Now, let's update with a custom value. The below example updates all rows of `DataFrame` with value 'NA' when condition `Fee > 23000` becomes `False`.

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```
# Use other param
df2=df.where(df.Fee > 23000,
print(df2)
```

Yields below output. Notice that rows that didn't satisfy the condition are changed to 'NA'.

	Courses	Fee	Discount	Du
0	NA	NA	NA	
1	PySpark	25000	1000	
2	NA	NA	NA	
3	Python	24000	800	
4	PySpark	26000	1300	

## 4. where() with Multiple Columns & Conditions

The below example demonstrates how to specify the multiple conditions by using a conditional operator.

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\(https://sparkbyexamples.com/pandas/pandas-dataframe-mean-examples/\).](https://sparkbyexamples.com/pandas/pandas-dataframe-mean-examples/)

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## Pandas Most Used Examples

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[Pandas – Replace NaN with Blank/Empty String  
\(https://sparkbyexamples.com/pandas/pandas-replace-nan-with-blank-empty-string/\).](https://sparkbyexamples.com/pandas/pandas-replace-nan-with-blank-empty-string/)

```
# Where on multiple columns &
cond1 = df.Fee > 23000
cond2 = df.Discount > 900
df2 = df.where(cond1 & cond2,
print(df2)
```

Yields below output.

	Courses	Fee	Discount	Du
0	NA	NA	NA	
1	PySpark	25000	1000	
2	NA	NA	NA	
3	NA	NA	NA	
4	PySpark	26000	1300	

## 5. Update on Existing DataFrame

All the above examples return a new DataFrame object instead of updating the existing one. In order to update in place use inplace=True param. When used this param with the value true, where() function returns None .

```
# Updating on existing DataFr
df.where(cond1 & cond2, 'NA',
print(df)
```

This updates the existing DataFrame object. Yields same output as above.

## Conclusion

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[Pandas – Change Column Data Type On DataFrame](https://sparkbyexamples.com/pandas/pandas-change-column-data-type-dtype/)  
(<https://sparkbyexamples.com/pandas/pandas-change-column-data-type-dtype/>)

[Pandas – Select Rows Based on Column Values](https://sparkbyexamples.com/pandas/pandas-select-dataframe-rows-based-on-column-values/)  
(<https://sparkbyexamples.com/pandas/pandas-select-dataframe-rows-based-on-column-values/>)

[Pandas – Delete Rows Based on Column Value](https://sparkbyexamples.com/pandas/pandas-delete-rows-based-on-column-value/)  
(<https://sparkbyexamples.com/pandas/pandas-delete-rows-based-on-column-value/>)

[Pandas – How to Change Position of a Column](https://sparkbyexamples.com/pandas/pandas-change-position-of-a-column/)  
(<https://sparkbyexamples.com/pandas/pandas-change-position-of-a-column/>)

[Pandas – Append a List as a Row to DataFrame](https://sparkbyexamples.com/pandas/pandas-append-list-as-a-row-to-dataframe/)  
(<https://sparkbyexamples.com/pandas/pandas-append-list-as-a-row-to-dataframe/>)

[Pandas – Filter by Column Value](https://sparkbyexamples.com/pandas/pandas-filter-by-column-value/)  
(<https://sparkbyexamples.com/pandas/pandas-filter-by-column-value/>)

[Pandas – Convert Single or All Columns To String Type?](https://sparkbyexamples.com/pandas/pandas-convert-columns-to-string-type/)  
(<https://sparkbyexamples.com/pandas/pandas-convert-columns-to-string-type/>)

[Pandas Get Count of Each Row of DataFrame](https://sparkbyexamples.com/pandas/pandas-get-count-each-dataframe-row/)  
(<https://sparkbyexamples.com/pandas/pandas-get-count-each-dataframe-row/>)

[Pandas – Difference Between loc and iloc in DataFrame](https://sparkbyexamples.com/pandas/pandas-difference-between-loc-and-iloc-in-dataframe/)  
(<https://sparkbyexamples.com/pandas/pandas-difference-between-loc-and-iloc-in-dataframe/>)

In this article, you have learned the syntax of the `DataFrame.where()` function, explanation of the param, and how to use the function with examples. Note that this cannot be used similar to SQL where clause instead it should be used as if-then or if-else way.

## References

- [https://www.w3schools.com/python/python\\_conditions.asp](https://www.w3schools.com/python/python_conditions.asp)  
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(<https://sparkbyexamples.com/pandas/pandas-groupby-sum-examples/>).

[Pandas – Change the Order of DataFrame Columns](#)  
(<https://sparkbyexamples.com/pandas/pandas-change-the-order-of-columns/>).

[pandas – Find Installed Version?](#)  
(<https://sparkbyexamples.com/pandas/find-pandas-installed-version-and-dependencies-version/>).

[Upgrade Pandas Version to Latest or Specific Version](#)  
(<https://sparkbyexamples.com/pandas/upgrade-pandas-version-to-latest-or-specific-version/>).

[Pandas – How to Combine Two Series into a DataFrame](#)  
(<https://sparkbyexamples.com/pandas/pandas-combine-two-series-into-dataframe/>).

[Pandas – Remap Values in Column with a Dict](#)  
(<https://sparkbyexamples.com/pandas/pandas-remap-values-in-column-with-a-dictionary-dict/>).

[Pandas – Get Column Names from DataFrame](#)  
(<https://sparkbyexamples.com/pandas/pandas-get-column-names/>).

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(<https://sparkbyexamples.com/pandas/pandas-select-all-columns-except-one-column-in-dataframe/>).

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[Pandas – How to Convert Index to Column in DataFrame](https://sparkbyexamples.com/pandas/pandas-convert-index-to-column-in-dataframe/)  
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[Pandas – How to Take Column-Slices of DataFrame](https://sparkbyexamples.com/pandas/how-to-slice-columns-in-pandas-dataframe/)  
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[Pandas – How to Add an Empty Column to a DataFrame](https://sparkbyexamples.com/pandas/pandas-add-an-empty-column-to-dataframe/)  
(<https://sparkbyexamples.com/pandas/pandas-add-an-empty-column-to-dataframe/>).

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[Pandas – How to Check If any Value is NaN in a DataFrame](https://sparkbyexamples.com/pandas/pandas-check-if-any-value-is-nan-in-a-dataframe/)  
(<https://sparkbyexamples.com/pandas/pandas-check-if-any-value-is-nan-in-a-dataframe/>).

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[Pandas – Combine Two Columns of Text in DataFrame](https://sparkbyexamples.com/pandas/pandas-combine-two-columns-of-text-in-dataframe/)  
(<https://sparkbyexamples.com/pandas/pandas-combine-two-columns-of-text-in-dataframe/>).

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[Pandas – How to Drop Rows with NaN Values in DataFrame](https://sparkbyexamples.com/pandas/pandas-drop-rows-with-nan-values-in-dataframe/)  
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[Pandas – Change Specific Column Name](https://sparkbyexamples.com/pandas/pandas-change-specific-column-name/)  
(<https://sparkbyexamples.com/pandas/pandas-change-specific-column-name/>).

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