

How can I change the order of columns in a Pandas DataFrame?

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Changing the order of columns in a Pandas DataFrame can be done by using the "reindex" function. This function allows for the rearrangement of columns by specifying the desired new order of the columns. The old columns will be dropped and the new columns will be added in the specified order. This process can be useful for organizing data and analyzing it in a more efficient manner. Additionally, the "reindex" function can also be used to rename columns and add new columns to the DataFrame.

Change the Order of Columns in Pandas DataFrame

You can use the following syntax to quickly change the order of columns in a pandas DataFrame:

```
df]
```

The following examples show how to use this syntax with the following pandas DataFrame:

```
import pandas as pd

#create new DataFrame
df = pd.DataFrame({'points': ,
'assists': ,
'rebounds': })
```

```
#display DataFrame
```

```
df
```

```
points assists rebounds
```

```
0 25 5 11
1 12 7 8
2 15 7 10
3 14 9 6
4 19 12 6
5 23 9 5
6 25 9 9
7 29 4 12
```

Example 1: Change the Order of Columns by Name

The following code shows how to change the order of the columns in the DataFrame based on name:

```
#change order of columns by name
df]
```

```
rebounds assists points
```

```
0 11 5 25
1 8 7 12
2 10 7 15
3 6 9 14
4 6 12 19
5 5 9 23
6 9 9 25
```

7 12 4 29

Example 2: Change the Order by Adding New First Column

The following code shows how to change the order of the columns in the DataFrame by inserting a new column in the first position:

```
#define new column to add
steals =

#insert new column in first position
df.insert(0, 'steals', steals)

#display dataframe
df
steals points assists rebounds
0 2 25 5 11
1 3 12 7 8
2 3 15 7 10
3 4 14 9 6
4 3 19 12 6
5 2 23 9 5
6 1 25 9 9
7 2 29 4 12
```

Example 3: Change the Order by Adding New Last Column

The following code shows how to change the order of the columns in the DataFrame by inserting a new column in the last position of the DataFrame:

```
#define new column to add
steals =

#insert new column in last position
df.insert(len(df.columns), 'steals', steals)

#display dataframe
df

points assists rebounds steals
0 25 5 11 2
1 12 7 8 3
2 15 7 10 3
3 14 9 6 4
4 19 12 6 3
5 23 9 5 2
6 25 9 9 1
7 29 4 12 2
```

How to Combine Two Columns in Pandas

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