# Pandas DataFrame idxmax() Method

‹ DataFrame Reference

## Example

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Return the index of the row with the highest sales, and the index of the row with the highest age:

```
import pandas as pd

data = {
  "sales": [23, 34, 56],
  "age": [50, 40, 30]
}

df = pd.DataFrame(data)

print(df.idxmax())
```

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## Definition and Usage

The `idxmax()` method returns a Series with the index of the maximum value for each column.

By specifying the column axis ( `axis='columns'` ), the `idxmax()` method returns a Series with the index of the maximum value for each row.

# Syntax

```
dataframe.idxmax(axis, skipna)
```

# Parameters

The parameters are keyword arguments.

| Parameter | Value | Description |
|---|---|---|
| axis | `0`<br>`1`<br>`'index'`<br>`'columns'` | Optional, Which axis to check, default 0. |
| skipna | `True`<br>`False` | Optional, default True. Specifies whether to skip NULL values or not. |

# Return Value

A Series with the indexes of the rows/columns with the highest values.

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