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pandas.DataFrame.tail

[\[source\]](#)**DataFrame.tail**(*n*=5)Return the last *n* rows.

This function returns last *n* rows from the object based on position. It is useful for quickly verifying data, for example, after sorting or appending rows.

For negative values of *n*, this function returns all rows except the first *n* rows, equivalent to `df[n:]`.

Parameters: *n* : *int*, *default 5*

Number of rows to select.

Returns: *type of caller*The last *n* rows of the caller object.

See also

[DataFrame.head](#)The first *n* rows of the caller object.

Examples

```
>>> df = pd.DataFrame({'animal': ['alligator', 'bee', 'falcon', 'lion',
...                               'monkey', 'parrot', 'shark', 'whale', 'zebra']})
>>> df
   animal
0  alligator
1      bee
2    falcon
3     lion
4    monkey
5    parrot
6     shark
7     whale
8     zebra
```

Viewing the last 5 lines

```
>>> df.tail()
   animal
4  monkey
5  parrot
6  shark
7  whale
8  zebra
```

Viewing the last *n* lines (three in this case)

```
>>> df.tail(3)
   animal
6  shark
7  whale
8  zebra
```

For negative values of *n*

```
>>> df.tail(-3)
   animal
3     lion
4  monkey
5  parrot
6  shark
7  whale
8  zebra
```

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