

**pandas.tseries.offsets.BusinessDay.name**

**property** `BusinessDay.name`

**pandas.tseries.offsets.BusinessDay.nanos**

**property** `BusinessDay.nanos`

**pandas.tseries.offsets.BusinessDay.normalize**

`BusinessDay.normalize = False`

**pandas.tseries.offsets.BusinessDay.rule\_code**

**property** `BusinessDay.rule_code`

**Methods**

---

<code>BusinessDay.apply(self, other)</code>	
<code>BusinessDay.apply_index(self, other)</code>	Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.
<code>BusinessDay.copy(self)</code>	
<code>BusinessDay.isAnchored(self)</code>	
<code>BusinessDay.onOffset(self, dt)</code>	
<code>BusinessDay.is_anchored(self)</code>	
<code>BusinessDay.is_on_offset(self, dt)</code>	
<code>BusinessDay.__call__(self, other)</code>	Call self as a function.

---

**pandas.tseries.offsets.BusinessDay.apply**

`BusinessDay.apply(self, other)`

**pandas.tseries.offsets.BusinessDay.apply\_index**

`BusinessDay.apply_index(self, other)`

Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.

**Parameters**

**i** [DatetimeIndex]

**Returns**

**y** [DatetimeIndex]

#### pandas.tseries.offsets.BusinessDay.copy

`BusinessDay.copy(self)`

#### pandas.tseries.offsets.BusinessDay.isAnchored

`BusinessDay.isAnchored(self)`

#### pandas.tseries.offsets.BusinessDay.onOffset

`BusinessDay.onOffset(self, dt)`

#### pandas.tseries.offsets.BusinessDay.is\_anchored

`BusinessDay.is_anchored(self)`

#### pandas.tseries.offsets.BusinessDay.is\_on\_offset

`BusinessDay.is_on_offset(self, dt)`

#### pandas.tseries.offsets.BusinessDay.\_\_call\_\_

`BusinessDay.__call__(self, other)`  
Call self as a function.

### 3.8.3 BusinessHour

---

<code>BusinessHour([n, normalize, start, end, offset])</code>	DateOffset subclass representing possibly n business hours.
---	---

---

#### pandas.tseries.offsets.BusinessHour

**class** pandas.tseries.offsets.**BusinessHour** (*n=1, normalize=False, start='09:00', end='17:00', offset=datetime.timedelta(0)*)  
DateOffset subclass representing possibly n business hours.

## Attributes

<code>base</code>	Returns a copy of the calling offset object with <code>n=1</code> and all other attributes equal.
<code>next_bday</code>	Used for moving to next business day.
<code>offset</code>	Alias for <code>self._offset</code> .

### `pandas.tseries.offsets.BusinessHour.base`

**property** `BusinessHour.base`

Returns a copy of the calling offset object with `n=1` and all other attributes equal.

### `pandas.tseries.offsets.BusinessHour.next_bday`

`BusinessHour.next_bday`

Used for moving to next business day.

### `pandas.tseries.offsets.BusinessHour.offset`

**property** `BusinessHour.offset`

Alias for `self._offset`.

<b>freqstr</b>	
<b>kwds</b>	
<b>name</b>	
<b>nanos</b>	
<b>rule_code</b>	

## Methods

<code>apply_index(self, other)</code>	Vectorized apply of <code>DateOffset</code> to <code>DatetimeIndex</code> , raises <code>NotImplementedError</code> for offsets without a vectorized implementation.
<code>rollback(self, dt)</code>	Roll provided date backward to next offset only if not on offset.
<code>rollforward(self, dt)</code>	Roll provided date forward to next offset only if not on offset.

**pandas.tseries.offsets.BusinessHour.apply\_index**`BusinessHour.apply_index(self, other)`

Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.

**Parameters****i** [DatetimeIndex]**Returns****y** [DatetimeIndex]**pandas.tseries.offsets.BusinessHour.rollback**`BusinessHour.rollback(self, dt)`

Roll provided date backward to next offset only if not on offset.

**pandas.tseries.offsets.BusinessHour.rollforward**`BusinessHour.rollforward(self, dt)`

Roll provided date forward to next offset only if not on offset.

<code>__call__</code>	
<code>apply</code>	
<code>copy</code>	
<code>isAnchored</code>	
<code>is_anchored</code>	
<code>is_on_offset</code>	
<code>onOffset</code>	

**Properties**`BusinessHour.freqstr``BusinessHour.kwds``BusinessHour.name``BusinessHour.nanos``BusinessHour.normalize``BusinessHour.rule_code`

### **pandas.tseries.offsets.BusinessHour.freqstr**

`BusinessHour.freqstr`

### **pandas.tseries.offsets.BusinessHour.kwds**

**property** `BusinessHour.kwds`

### **pandas.tseries.offsets.BusinessHour.name**

**property** `BusinessHour.name`

### **pandas.tseries.offsets.BusinessHour.nanos**

**property** `BusinessHour.nanos`

### **pandas.tseries.offsets.BusinessHour.normalize**

`BusinessHour.normalize = False`

### **pandas.tseries.offsets.BusinessHour.rule\_code**

**property** `BusinessHour.rule_code`

## **Methods**

<code>BusinessHour.apply(self, other)</code>	
<code>BusinessHour.copy(self)</code>	
<code>BusinessHour.isAnchored(self)</code>	
<code>BusinessHour.onOffset(self, dt)</code>	
<code>BusinessHour.is_anchored(self)</code>	
<code>BusinessHour.is_on_offset(self, dt)</code>	
<code>BusinessHour.__call__(self, other)</code>	Call self as a function.

### **pandas.tseries.offsets.BusinessHour.apply**

`BusinessHour.apply(self, other)`

**pandas.tseries.offsets.BusinessHour.copy**

`BusinessHour.copy(self)`

**pandas.tseries.offsets.BusinessHour.isAnchored**

`BusinessHour.isAnchored(self)`

**pandas.tseries.offsets.BusinessHour.onOffset**

`BusinessHour.onOffset(self, dt)`

**pandas.tseries.offsets.BusinessHour.is\_anchored**

`BusinessHour.is_anchored(self)`

**pandas.tseries.offsets.BusinessHour.is\_on\_offset**

`BusinessHour.is_on_offset(self, dt)`

**pandas.tseries.offsets.BusinessHour.\_\_call\_\_**

`BusinessHour.__call__(self, other)`  
Call self as a function.

### 3.8.4 CustomBusinessDay

---

<code>CustomBusinessDay</code> ( <code>n</code> , <code>normalize</code> , <code>weekmask</code> , ...)	DateOffset subclass representing possibly <code>n</code> custom business days, excluding holidays.
---	--

---

**pandas.tseries.offsets.CustomBusinessDay**

```
class pandas.tseries.offsets.CustomBusinessDay(n=1, normalize=False, week-  
                                              mask='Mon Tue Wed Thu Fri',  
                                              holidays=None, calendar=None,  
                                              offset=datetime.timedelta(0))
```

DateOffset subclass representing possibly `n` custom business days, excluding holidays.

**Parameters**

**n** [int, default 1]

**normalize** [bool, default False] Normalize start/end dates to midnight before generating date range.

**weekmask** [str, Default 'Mon Tue Wed Thu Fri'] Weekmask of valid business days, passed to `numpy.busdaycalendar`.

**holidays** [list] List/array of dates to exclude from the set of valid business days, passed to

`numpy.busdaycalendar.`  
**calendar** [pd.HolidayCalendar or np.busdaycalendar]  
**offset** [timedelta, default timedelta(0)]

### Attributes

<i>base</i>	Returns a copy of the calling offset object with n=1 and all other attributes equal.
<i>offset</i>	Alias for self._offset.

### pandas.tseries.offsets.CustomBusinessDay.base

**property** CustomBusinessDay.**base**  
Returns a copy of the calling offset object with n=1 and all other attributes equal.

### pandas.tseries.offsets.CustomBusinessDay.offset

**property** CustomBusinessDay.**offset**  
Alias for self.\_offset.

<b>freqstr</b>	
<b>kwds</b>	
<b>name</b>	
<b>nanos</b>	
<b>rule_code</b>	

### Methods

<i>apply_index</i> (self, i)	Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.
<i>rollback</i> (self, dt)	Roll provided date backward to next offset only if not on offset.
<i>rollforward</i> (self, dt)	Roll provided date forward to next offset only if not on offset.

### pandas.tseries.offsets.CustomBusinessDay.apply\_index

CustomBusinessDay.**apply\_index**(self, i)  
Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.

#### Parameters

**i** [DatetimeIndex]

#### Returns

y [DatetimeIndex]

### pandas.tseries.offsets.CustomBusinessDay.rollback

CustomBusinessDay.**rollback**(self, dt)

Roll provided date backward to next offset only if not on offset.

#### Returns

**TimeStamp** Rolled timestamp if not on offset, otherwise unchanged timestamp.

### pandas.tseries.offsets.CustomBusinessDay.rollforward

CustomBusinessDay.**rollforward**(self, dt)

Roll provided date forward to next offset only if not on offset.

#### Returns

**TimeStamp** Rolled timestamp if not on offset, otherwise unchanged timestamp.

<b><code>__call__</code></b>	
<b><code>apply</code></b>	
<b><code>copy</code></b>	
<b><code>isAnchored</code></b>	
<b><code>is_anchored</code></b>	
<b><code>is_on_offset</code></b>	
<b><code>onOffset</code></b>	

## Properties

---

*CustomBusinessDay.freqstr*

---

*CustomBusinessDay.kwds*

---

*CustomBusinessDay.name*

---

*CustomBusinessDay.nanos*

---

*CustomBusinessDay.normalize*

---

*CustomBusinessDay.rule\_code*

---

### pandas.tseries.offsets.CustomBusinessDay.freqstr

CustomBusinessDay.**freqstr**



### **pandas.tseries.offsets.CustomBusinessDay.kwds**

**property** CustomBusinessDay.kwds

### **pandas.tseries.offsets.CustomBusinessDay.name**

**property** CustomBusinessDay.name

### **pandas.tseries.offsets.CustomBusinessDay.nanos**

**property** CustomBusinessDay.nanos

### **pandas.tseries.offsets.CustomBusinessDay.normalize**

CustomBusinessDay.normalize = False

### **pandas.tseries.offsets.CustomBusinessDay.rule\_code**

**property** CustomBusinessDay.rule\_code

## **Methods**

<i>CustomBusinessDay.apply</i> (self, other)	
<i>CustomBusinessDay.copy</i> (self)	
<i>CustomBusinessDay.isAnchored</i> (self)	
<i>CustomBusinessDay.onOffset</i> (self, dt)	
<i>CustomBusinessDay.is_anchored</i> (self)	
<i>CustomBusinessDay.is_on_offset</i> (self, dt)	
<i>CustomBusinessDay.__call__</i> (self, other)	Call self as a function.

### **pandas.tseries.offsets.CustomBusinessDay.apply**

CustomBusinessDay.apply (self, other)

**pandas.tseries.offsets.CustomBusinessDay.copy**

`CustomBusinessDay.copy(self)`

**pandas.tseries.offsets.CustomBusinessDay.isAnchored**

`CustomBusinessDay.isAnchored(self)`

**pandas.tseries.offsets.CustomBusinessDay.onOffset**

`CustomBusinessDay.onOffset(self, dt)`

**pandas.tseries.offsets.CustomBusinessDay.is\_anchored**

`CustomBusinessDay.is_anchored(self)`

**pandas.tseries.offsets.CustomBusinessDay.is\_on\_offset**

`CustomBusinessDay.is_on_offset(self, dt)`

**pandas.tseries.offsets.CustomBusinessDay.\_\_call\_\_**

`CustomBusinessDay.__call__(self, other)`  
Call self as a function.

### 3.8.5 CustomBusinessHour

---

<code>CustomBusinessHour([n, normalize, weekmask,</code>	DateOffset subclass representing possibly n custom
<code>...])</code>	business days.

---

**pandas.tseries.offsets.CustomBusinessHour**

```
class pandas.tseries.offsets.CustomBusinessHour(n=1, normalize=False, week-
mask='Mon Tue Wed Thu Fri',
holidays=None, calendar=None,
start='09:00', end='17:00', off-
set=datetime.timedelta(0))
```

DateOffset subclass representing possibly n custom business days.

## Attributes

<code>base</code>	Returns a copy of the calling offset object with <code>n=1</code> and all other attributes equal.
<code>next_bday</code>	Used for moving to next business day.
<code>offset</code>	Alias for <code>self._offset</code> .

### `pandas.tseries.offsets.CustomBusinessHour.base`

**property** `CustomBusinessHour.base`

Returns a copy of the calling offset object with `n=1` and all other attributes equal.

### `pandas.tseries.offsets.CustomBusinessHour.next_bday`

`CustomBusinessHour.next_bday`

Used for moving to next business day.

### `pandas.tseries.offsets.CustomBusinessHour.offset`

**property** `CustomBusinessHour.offset`

Alias for `self._offset`.

<b>freqstr</b>	
<b>kwds</b>	
<b>name</b>	
<b>nanos</b>	
<b>rule_code</b>	

## Methods

<code>apply_index(self, other)</code>	Vectorized apply of <code>DateOffset</code> to <code>DatetimeIndex</code> , raises <code>NotImplementedError</code> for offsets without a vectorized implementation.
<code>rollback(self, dt)</code>	Roll provided date backward to next offset only if not on offset.
<code>rollforward(self, dt)</code>	Roll provided date forward to next offset only if not on offset.

**pandas.tseries.offsets.CustomBusinessHour.apply\_index**`CustomBusinessHour.apply_index(self, other)`

Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.

**Parameters****i** [DatetimeIndex]**Returns****y** [DatetimeIndex]**pandas.tseries.offsets.CustomBusinessHour.rollback**`CustomBusinessHour.rollback(self, dt)`

Roll provided date backward to next offset only if not on offset.

**pandas.tseries.offsets.CustomBusinessHour.rollforward**`CustomBusinessHour.rollforward(self, dt)`

Roll provided date forward to next offset only if not on offset.

<code>__call__</code>	
<code>apply</code>	
<code>copy</code>	
<code>isAnchored</code>	
<code>is_anchored</code>	
<code>is_on_offset</code>	
<code>onOffset</code>	

**Properties**`CustomBusinessHour.freqstr``CustomBusinessHour.kwds``CustomBusinessHour.name``CustomBusinessHour.nanos``CustomBusinessHour.normalize``CustomBusinessHour.rule_code`

### `pandas.tseries.offsets.CustomBusinessHour.freqstr`

`CustomBusinessHour.freqstr`

### `pandas.tseries.offsets.CustomBusinessHour.kwds`

**property** `CustomBusinessHour.kwds`

### `pandas.tseries.offsets.CustomBusinessHour.name`

**property** `CustomBusinessHour.name`

### `pandas.tseries.offsets.CustomBusinessHour.nanos`

**property** `CustomBusinessHour.nanos`

### `pandas.tseries.offsets.CustomBusinessHour.normalize`

`CustomBusinessHour.normalize = False`

### `pandas.tseries.offsets.CustomBusinessHour.rule_code`

**property** `CustomBusinessHour.rule_code`

## Methods

<code>CustomBusinessHour.apply(self, other)</code>	
<code>CustomBusinessHour.copy(self)</code>	
<code>CustomBusinessHour.isAnchored(self)</code>	
<code>CustomBusinessHour.onOffset(self, dt)</code>	
<code>CustomBusinessHour.is_anchored(self)</code>	
<code>CustomBusinessHour.is_on_offset(self, dt)</code>	
<code>CustomBusinessHour.__call__(self, other)</code>	Call self as a function.

### `pandas.tseries.offsets.CustomBusinessHour.apply`

`CustomBusinessHour.apply(self, other)`

#### **pandas.tseries.offsets.CustomBusinessHour.copy**

`CustomBusinessHour.copy(self)`

#### **pandas.tseries.offsets.CustomBusinessHour.isAnchored**

`CustomBusinessHour.isAnchored(self)`

#### **pandas.tseries.offsets.CustomBusinessHour.onOffset**

`CustomBusinessHour.onOffset(self, dt)`

#### **pandas.tseries.offsets.CustomBusinessHour.is\_anchored**

`CustomBusinessHour.is_anchored(self)`

#### **pandas.tseries.offsets.CustomBusinessHour.is\_on\_offset**

`CustomBusinessHour.is_on_offset(self, dt)`

#### **pandas.tseries.offsets.CustomBusinessHour.\_\_call\_\_**

`CustomBusinessHour.__call__(self, other)`  
Call self as a function.

### **3.8.6 MonthOffset**

---

*MonthOffset*([n, normalize])

#### **Attributes**

---

#### **pandas.tseries.offsets.MonthOffset**

**class** pandas.tseries.offsets.**MonthOffset** (n=1, normalize=False)

## Attributes

---

<i>base</i>	Returns a copy of the calling offset object with n=1 and all other attributes equal.
-------------	--

---

### pandas.tseries.offsets.MonthOffset.base

**property** `MonthOffset.base`

Returns a copy of the calling offset object with n=1 and all other attributes equal.

<b>freqstr</b>	
<b>kwds</b>	
<b>name</b>	
<b>nanos</b>	
<b>rule_code</b>	

## Methods

---

<i>rollback</i> (self, dt)	Roll provided date backward to next offset only if not on offset.
<i>rollforward</i> (self, dt)	Roll provided date forward to next offset only if not on offset.

---

### pandas.tseries.offsets.MonthOffset.rollback

`MonthOffset.rollback(self, dt)`

Roll provided date backward to next offset only if not on offset.

#### Returns

**TimeStamp** Rolled timestamp if not on offset, otherwise unchanged timestamp.

### pandas.tseries.offsets.MonthOffset.rollforward

`MonthOffset.rollforward(self, dt)`

Roll provided date forward to next offset only if not on offset.

#### Returns

**TimeStamp** Rolled timestamp if not on offset, otherwise unchanged timestamp.

<b><code>__call__</code></b>	
<b><code>apply</code></b>	
<b><code>apply_index</code></b>	
<b><code>copy</code></b>	
<b><code>isAnchored</code></b>	
<b><code>is_anchored</code></b>	
<b><code>is_on_offset</code></b>	
<b><code>onOffset</code></b>	

## Properties

<code>MonthOffset.freqstr</code>
<code>MonthOffset.kwds</code>
<code>MonthOffset.name</code>
<code>MonthOffset.nanos</code>
<code>MonthOffset.normalize</code>
<code>MonthOffset.rule_code</code>

### **pandas.tseries.offsets.MonthOffset.freqstr**

`MonthOffset.freqstr`

### **pandas.tseries.offsets.MonthOffset.kwds**

**property** `MonthOffset.kwds`

### **pandas.tseries.offsets.MonthOffset.name**

**property** `MonthOffset.name`

### **pandas.tseries.offsets.MonthOffset.nanos**

**property** `MonthOffset.nanos`

### **pandas.tseries.offsets.MonthOffset.normalize**

`MonthOffset.normalize = False`

### **pandas.tseries.offsets.MonthOffset.rule\_code**

**property** `MonthOffset.rule_code`

## Methods

<code>MonthOffset.apply(self, other)</code>	
<code>MonthOffset.apply_index(self, other)</code>	Vectorized apply of DateOffset to DatetimeIndex, raises <code>NotImplementedError</code> for offsets without a vectorized implementation.
<code>MonthOffset.copy(self)</code>	
<code>MonthOffset.isAnchored(self)</code>	
<code>MonthOffset.onOffset(self, dt)</code>	
<code>MonthOffset.is_anchored(self)</code>	
<code>MonthOffset.is_on_offset(self, dt)</code>	

continues on next page



Table 209 – continued from previous page

<code>MonthOffset.__call__(self, other)</code>	Call self as a function.
--	--------------------------

---

### **pandas.tseries.offsets.MonthOffset.apply**

`MonthOffset.apply(self, other)`

### **pandas.tseries.offsets.MonthOffset.apply\_index**

`MonthOffset.apply_index(self, other)`

Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.

#### **Parameters**

**i** [DatetimeIndex]

#### **Returns**

**y** [DatetimeIndex]

### **pandas.tseries.offsets.MonthOffset.copy**

`MonthOffset.copy(self)`

### **pandas.tseries.offsets.MonthOffset.isAnchored**

`MonthOffset.isAnchored(self)`

### **pandas.tseries.offsets.MonthOffset.onOffset**

`MonthOffset.onOffset(self, dt)`

### **pandas.tseries.offsets.MonthOffset.is\_anchored**

`MonthOffset.is_anchored(self)`

### **pandas.tseries.offsets.MonthOffset.is\_on\_offset**

`MonthOffset.is_on_offset(self, dt)`

**pandas.tseries.offsets.MonthOffset.\_\_call\_\_**

`MonthOffset.__call__(self, other)`  
 Call self as a function.

**3.8.7 MonthEnd**


---

<code>MonthEnd([n, normalize])</code>	DateOffset of one month end.
---------------------------------------	------------------------------

---

**pandas.tseries.offsets.MonthEnd**

**class** `pandas.tseries.offsets.MonthEnd(n=1, normalize=False)`  
 DateOffset of one month end.

**Attributes**


---

<code>base</code>	Returns a copy of the calling offset object with n=1 and all other attributes equal.
-------------------	--

---

**pandas.tseries.offsets.MonthEnd.base**

**property** `MonthEnd.base`  
 Returns a copy of the calling offset object with n=1 and all other attributes equal.

<b>freqstr</b>	
<b>kwds</b>	
<b>name</b>	
<b>nanos</b>	
<b>rule_code</b>	

**Methods**


---

<code>rollback(self, dt)</code>	Roll provided date backward to next offset only if not on offset.
<code>rollforward(self, dt)</code>	Roll provided date forward to next offset only if not on offset.

---

**pandas.tseries.offsets.MonthEnd.rollback**

`MonthEnd.rollback(self, dt)`

Roll provided date backward to next offset only if not on offset.

**Returns**

**TimeStamp** Rolled timestamp if not on offset, otherwise unchanged timestamp.

**pandas.tseries.offsets.MonthEnd.rollforward**

`MonthEnd.rollforward(self, dt)`

Roll provided date forward to next offset only if not on offset.

**Returns**

**TimeStamp** Rolled timestamp if not on offset, otherwise unchanged timestamp.

<code>__call__</code>	
<code>apply</code>	
<code>apply_index</code>	
<code>copy</code>	
<code>isAnchored</code>	
<code>is_anchored</code>	
<code>is_on_offset</code>	
<code>onOffset</code>	

**Properties**

---

<code>MonthEnd.freqstr</code>
<code>MonthEnd.kwds</code>
<code>MonthEnd.name</code>
<code>MonthEnd.nanos</code>
<code>MonthEnd.normalize</code>
<code>MonthEnd.rule_code</code>

---

**pandas.tseries.offsets.MonthEnd.freqstr**

`MonthEnd.freqstr`

**pandas.tseries.offsets.MonthEnd.kwds****property** MonthEnd.kwds**pandas.tseries.offsets.MonthEnd.name****property** MonthEnd.name**pandas.tseries.offsets.MonthEnd.nanos****property** MonthEnd.nanos**pandas.tseries.offsets.MonthEnd.normalize**

MonthEnd.normalize = False

**pandas.tseries.offsets.MonthEnd.rule\_code****property** MonthEnd.rule\_code**Methods**

<i>MonthEnd.apply</i> (self, other)	
<i>MonthEnd.apply_index</i> (self, other)	Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.
<i>MonthEnd.copy</i> (self)	
<i>MonthEnd.isAnchored</i> (self)	
<i>MonthEnd.onOffset</i> (self, dt)	
<i>MonthEnd.is_anchored</i> (self)	
<i>MonthEnd.is_on_offset</i> (self, dt)	
<i>MonthEnd.__call__</i> (self, other)	Call self as a function.

**pandas.tseries.offsets.MonthEnd.apply**MonthEnd.**apply** (self, other)

### pandas.tseries.offsets.MonthEnd.apply\_index

MonthEnd.**apply\_index** (*self*, *other*)

Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.

#### Parameters

**i** [DatetimeIndex]

#### Returns

**y** [DatetimeIndex]

### pandas.tseries.offsets.MonthEnd.copy

MonthEnd.**copy** (*self*)

### pandas.tseries.offsets.MonthEnd.isAnchored

MonthEnd.**isAnchored** (*self*)

### pandas.tseries.offsets.MonthEnd.onOffset

MonthEnd.**onOffset** (*self*, *dt*)

### pandas.tseries.offsets.MonthEnd.is\_anchored

MonthEnd.**is\_anchored** (*self*)

### pandas.tseries.offsets.MonthEnd.is\_on\_offset

MonthEnd.**is\_on\_offset** (*self*, *dt*)

### pandas.tseries.offsets.MonthEnd.\_\_call\_\_

MonthEnd.**\_\_call\_\_** (*self*, *other*)

Call self as a function.

## 3.8.8 MonthBegin

---

*MonthBegin*([*n*, *normalize*])

DateOffset of one month at beginning.

---

**pandas.tseries.offsets.MonthBegin**

**class** pandas.tseries.offsets.**MonthBegin** (*n=1, normalize=False*)  
 DateOffset of one month at beginning.

**Attributes**

<i>base</i>	Returns a copy of the calling offset object with n=1 and all other attributes equal.
-------------	--

**pandas.tseries.offsets.MonthBegin.base**

**property** MonthBegin.**base**  
 Returns a copy of the calling offset object with n=1 and all other attributes equal.

<b>freqstr</b>	
<b>kwds</b>	
<b>name</b>	
<b>nanos</b>	
<b>rule_code</b>	

**Methods**

<i>rollback</i> (self, dt)	Roll provided date backward to next offset only if not on offset.
<i>rollforward</i> (self, dt)	Roll provided date forward to next offset only if not on offset.

**pandas.tseries.offsets.MonthBegin.rollback**

MonthBegin.**rollback** (*self, dt*)  
 Roll provided date backward to next offset only if not on offset.

**Returns**

**TimeStamp** Rolled timestamp if not on offset, otherwise unchanged timestamp.

**pandas.tseries.offsets.MonthBegin.rollforward**

MonthBegin.**rollforward** (*self, dt*)  
 Roll provided date forward to next offset only if not on offset.

**Returns**

**TimeStamp** Rolled timestamp if not on offset, otherwise unchanged timestamp.

<code>__call__</code>	
<code>apply</code>	
<code>apply_index</code>	
<code>copy</code>	
<code>isAnchored</code>	
<code>is_anchored</code>	
<code>is_on_offset</code>	
<code>onOffset</code>	

## Properties

---

<code>MonthBegin.freqstr</code>
<code>MonthBegin.kwds</code>
<code>MonthBegin.name</code>
<code>MonthBegin.nanos</code>
<code>MonthBegin.normalize</code>
<code>MonthBegin.rule_code</code>

---

### `pandas.tseries.offsets.MonthBegin.freqstr`

`MonthBegin.freqstr`

### `pandas.tseries.offsets.MonthBegin.kwds`

**property** `MonthBegin.kwds`

### `pandas.tseries.offsets.MonthBegin.name`

**property** `MonthBegin.name`

### `pandas.tseries.offsets.MonthBegin.nanos`

**property** `MonthBegin.nanos`

### `pandas.tseries.offsets.MonthBegin.normalize`

`MonthBegin.normalize = False`

**pandas.tseries.offsets.MonthBegin.rule\_code****property** MonthBegin.rule\_code**Methods**

<i>MonthBegin.apply</i> (self, other)	
<i>MonthBegin.apply_index</i> (self, other)	Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.
<i>MonthBegin.copy</i> (self)	
<i>MonthBegin.isAnchored</i> (self)	
<i>MonthBegin.onOffset</i> (self, dt)	
<i>MonthBegin.is_anchored</i> (self)	
<i>MonthBegin.is_on_offset</i> (self, dt)	
<i>MonthBegin.__call__</i> (self, other)	Call self as a function.

**pandas.tseries.offsets.MonthBegin.apply**MonthBegin.**apply** (self, other)**pandas.tseries.offsets.MonthBegin.apply\_index**MonthBegin.**apply\_index** (self, other)

Vectorized apply of DateOffset to DatetimeIndex, raises NotImplementedError for offsets without a vectorized implementation.

**Parameters****i** [DatetimeIndex]**Returns****y** [DatetimeIndex]**pandas.tseries.offsets.MonthBegin.copy**MonthBegin.**copy** (self)**pandas.tseries.offsets.MonthBegin.isAnchored**MonthBegin.**isAnchored** (self)



### pandas.tseries.offsets.MonthBegin.onOffset

MonthBegin.**onOffset** (*self*, *dt*)

### pandas.tseries.offsets.MonthBegin.is\_anchored

MonthBegin.**is\_anchored** (*self*)

### pandas.tseries.offsets.MonthBegin.is\_on\_offset

MonthBegin.**is\_on\_offset** (*self*, *dt*)

### pandas.tseries.offsets.MonthBegin.\_\_call\_\_

MonthBegin.**\_\_call\_\_** (*self*, *other*)  
Call self as a function.

## 3.8.9 BusinessMonthEnd

---

<i>BusinessMonthEnd</i> ([ <i>n</i> , <i>normalize</i> ])	DateOffset increments between business EOM dates.
---	---

---

### pandas.tseries.offsets.BusinessMonthEnd

**class** pandas.tseries.offsets.**BusinessMonthEnd** (*n=1*, *normalize=False*)  
DateOffset increments between business EOM dates.

#### Attributes

---

<i>base</i>	Returns a copy of the calling offset object with <i>n=1</i> and all other attributes equal.
-------------	---

---

### pandas.tseries.offsets.BusinessMonthEnd.base

**property** BusinessMonthEnd.**base**  
Returns a copy of the calling offset object with *n=1* and all other attributes equal.

<b>freqstr</b>	
<b>kwds</b>	
<b>name</b>	
<b>nanos</b>	
<b>rule_code</b>	