

from pandas.core.array import ExtensionArray, ExtensionOpsMixin

12 from pandas.core.indexers import check_array_indexer

13
14 if TYPE_CHECKING:

15 from pandas._typing import Scalar

16

17

18 class BaseMaskedArray(ExtensionArray, ExtensionOpsMixin):

19 """
20 Base class for masked arrays (which use `_data` and `_mask` to store the data).
21
22 numpy based
23 """

Python multiline comment docstring

24

25 _data: np.ndarray

26 _mask: np.ndarray

Python multiline comment PEP 8

27

28 # The value used to fill '`_data`' to avoid upcasting

29 # `_internal_fill_value`: "Scalar"

30 # `_mask`: np.ndarray

31 `_internal_fill_value`: "Scalar"

32

33 def __getitem__(self, item):

34 if is_integer(item):

35 if self._mask[item]:

36 return self.dtype.na_value

37 return self._data[item]

38

39 item = check_array_indexer(self, item)

40

41 return type(self)(self._data[item], self._mask[item])

42

BaseMaskedArray