MemoryView objects

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 1)

Unknown directive type "highlight".

```
.. highlight:: c
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 5)

Unknown directive type "index".

```
.. index::
   object: memoryview
```

A :class:`memoryview` object exposes the C level :ref:`buffer interface <bufferobjects>` as a Python object which can then be passed around like any other object.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 11); *backlink*

Unknown interpreted text role "class".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 11); *backlink*

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 16)

Unknown directive type "c:function".

```
.. c:function:: PyObject *PyMemoryView_FromObject(PyObject *obj)

   Create a memoryview object from an object that provides the buffer interface.
   If *obj* supports writable buffer exports, the memoryview object will be
   read/write, otherwise it may be either read-only or read/write at the
   discretion of the exporter.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 23)

Unknown directive type "c:function".

```
.. c:function:: PyObject *PyMemoryView_FromMemory(char *mem, Py_ssize_t size, int flags)

   Create a memoryview object using *mem* as the underlying buffer.
   *flags* can be one of :c:macro:`PyBUF_READ` or :c:macro:`PyBUF_WRITE`.

   .. versionadded:: 3.3
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 30)

Unknown directive type "c:function".

```
.. c:function:: PyObject *PyMemoryView_FromBuffer(const Py_buffer *view)

   Create a memoryview object wrapping the given buffer structure *view*.
   For simple byte buffers, :c:func:`PyMemoryView_FromMemory` is the preferred
   function.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 36)

Unknown directive type "c:function".

```
.. c:function:: PyObject *PyMemoryView_GetContiguous(PyObject *obj, int buffertype, char order)

   Create a memoryview object to a :term:`contiguous` chunk of memory (in either
   'C' or 'F'ortran *order*) from an object that defines the buffer
   interface. If memory is contiguous, the memoryview object points to the
   original memory. Otherwise, a copy is made and the memoryview points to a
   new bytes object.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 45)

Unknown directive type "c:function".

```
.. c:function:: int PyMemoryView_Check(PyObject *obj)

   Return true if the object *obj* is a memoryview object.  It is not
   currently allowed to create subclasses of :class:`memoryview`.  This
   function always succeeds.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 52)

Unknown directive type "c:function".

```
.. c:function:: Py_buffer *PyMemoryView_GET_BUFFER(PyObject *mview)

   Return a pointer to the memoryview's private copy of the exporter's buffer.
   *mview* **must** be a memoryview instance; this macro doesn't check its type,
   you must do it yourself or you will risk crashes.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)memoryview.rst, line 58)

Unknown directive type "c:function".

```
.. c:function:: Py_buffer *PyMemoryView_GET_BASE(PyObject *mview)

   Return either a pointer to the exporting object that the memoryview is based
   on or ``NULL`` if the memoryview has been created by one of the functions
   :c:func:`PyMemoryView_FromMemory` or :c:func:`PyMemoryView_FromBuffer`.
   *mview* **must** be a memoryview instance.
```