

The None Object

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\[cpython-main] [Doc] [c-api]none.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]none.rst, line 8)

Unknown directive type "index".

```
.. index:: object: None
```

Note that the `:c:type:'PyTypeObject'` for `None` is not directly exposed in the Python/C API. Since `None` is a singleton, testing for object identity (using `==` in C) is sufficient. There is no `:c:func:'PyNone_Check'` function for the same reason.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\[cpython-main] [Doc] [c-api]none.rst, line 10); [backlink](#)

Unknown interpreted text role "c:type".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\[cpython-main] [Doc] [c-api]none.rst, line 10); [backlink](#)

Unknown interpreted text role "c:func".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\[cpython-main] [Doc] [c-api]none.rst, line 16)

Unknown directive type "c:var".

```
.. c:var:: PyObject* Py_None
```

The Python ``None`` object, denoting lack of value. This object has no methods. It needs to be treated just like any other object with respect to reference counts.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\[cpython-main] [Doc] [c-api]none.rst, line 23)

Unknown directive type "c:macro".

```
.. c:macro:: Py_RETURN_NONE
```

Properly handle returning `:c:data:'Py_None'` from within a C function (that is, increment the reference count of ``None`` and return it.)