

# Abstract Objects Layer

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

Unknown directive type "highlight".

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

The functions in this chapter interact with Python objects regardless of their type, or with wide classes of object types (e.g. all numerical types, or all sequence types). When used on object types for which they do not apply, they will raise a Python exception.

It is not possible to use these functions on objects that are not properly initialized, such as a list object that has been created by `c:func:PyList_New`, but whose items have not been set to some non-NULL value yet.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\ (cpython-main) (Doc) (c-api) abstract.rst, line 14); [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) abstract.rst, line 18)**

Unknown directive type "toctree".

```
.. toctree::

    object.rst
    call.rst
    number.rst
    sequence.rst
    mapping.rst
    iter.rst
    buffer.rst
    objbuffer.rst
```