

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

Unknown directive type "highlight".

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

Instance Method Objects

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Unknown directive type "index".

```
.. index:: object: instancemethod
```

An instance method is a wrapper for a `cdata:PyCFunction` and the new way to bind a `cdata:PyCFunction` to a class object. It replaces the former call `PyMethod_New(func, NULL, class)`.

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Unknown interpreted text role "c:data".

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Unknown interpreted text role "c:data".

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Unknown directive type "c:var".

```
.. c:var:: PyTypeObject PyInstanceMethod_Type
```

This instance of `c:type:PyTypeObject` represents the Python instance method type. It is not exposed to Python programs.

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Unknown directive type "c:function".

```
.. c:function:: int PyInstanceMethod_Check(PyObject *o)
```

Return true if `*o` is an instance method object (has type `c:data:PyInstanceMethod_Type`). The parameter must not be `NULL`. This function always succeeds.

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Unknown directive type "c:function".

```
.. c:function:: PyObject* PyInstanceMethod_New(PyObject *func)
```

Return a new instance method object, with `*func` being any callable object. `*func` is the function that will be called when the instance method is called.

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Unknown directive type "c:function".

```
.. c:function:: PyObject* PyInstanceMethod_Function(PyObject *im)

    Return the function object associated with the instance method *im*.
```

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Unknown directive type "c:function".

```
.. c:function:: PyObject* PyInstanceMethod_GET_FUNCTION(PyObject *im)

    Macro version of :c:func:`PyInstanceMethod_Function` which avoids error checking.
```

Method Objects

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Unknown directive type "index".

```
.. index:: object: method
```

Methods are bound function objects. Methods are always bound to an instance of a user-defined class. Unbound methods (methods bound to a class object) are no longer available.

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Unknown directive type "c:var".

```
.. c:var:: PyTypeObject PyMethod_Type

.. index:: single: MethodType (in module types)

This instance of :c:type:`PyTypeObject` represents the Python method type. This
is exposed to Python programs as ``types.MethodType``.
```

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Unknown directive type "c:function".

```
.. c:function:: int PyMethod_Check(PyObject *o)

    Return true if *o* is a method object (has type :c:data:`PyMethod_Type`). The
    parameter must not be ``NULL``. This function always succeeds.
```

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Unknown directive type "c:function".

```
.. c:function:: PyObject* PyMethod_New(PyObject *func, PyObject *self)

    Return a new method object, with *func* being any callable object and *self*
    the instance the method should be bound. *func* is the function that will
    be called when the method is called. *self* must not be ``NULL``.
```

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main\Doc\c-api\ (cpython-main) (Doc) (c-api)method.rst, line 78)

Unknown directive type "c:function".

```
.. c:function:: PyObject* PyMethod_Function(PyObject *meth)

    Return the function object associated with the method *meth*.
```

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Unknown directive type "c:function".

```
.. c:function:: PyObject* PyMethod_GET_FUNCTION(PyObject *meth)

    Macro version of :c:func:`PyMethod_Function` which avoids error checking.
```

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Unknown directive type "c:function".

```
.. c:function:: PyObject* PyMethod_Self(PyObject *meth)

    Return the instance associated with the method *meth*.
```

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Unknown directive type "c:function".

```
.. c:function:: PyObject* PyMethod_GET_SELF(PyObject *meth)

    Macro version of :c:func:`PyMethod_Self` which avoids error checking.
```