

```

}

static PyMethodDef module_methods[] = {
    { "func", (PyCFunction)module_func, METH_NOARGS, NULL },
    { NULL, NULL, 0, NULL }
};

PyMODINIT_FUNC initModule() {
    Py_InitModule3(func, module_methods, "docstring...");
}

```

Example

A simple example that makes use of all the above concepts:

```

#include <Python.h>

static PyObject* helloworld(PyObject* self)
{
    return Py_BuildValue("s", "Hello, Python extensions!!");
}

static char helloworld_docs[] =
    "helloworld( ): Any message you want to put here!!\n";

static PyMethodDef helloworld_funcs[] = {
    {"helloworld", (PyCFunction)helloworld,
     METH_NOARGS, helloworld_docs},
    {NULL}
}

```