| : | | Format end, followed by function name for error messages. |
|---|---|---|
| ; | | Format end, followed by entire error message text. |

## Returning Values

*Py_BuildValue* takes in a format string much like *PyArg_ParseTuple* does. Instead of passing in the addresses of the values you are building, you pass in the actual values. Here's an example showing how to implement an add function:

```
static PyObject *foo_add(PyObject *self, PyObject *args) {

   int a;

   int b;


   if (!PyArg_ParseTuple(args, "ii", &a, &b)) {

      return NULL;

   }

   return Py_BuildValue("i", a + b);

}
```

This is what it would look like if implemented in Python:

```
def add(a, b):

   return (a + b)
```

You can return two values from your function as follows, this would be cauptured using a list in Python.

```
static PyObject *foo_add_subtract(PyObject *self, PyObject *args) {

   int a;

   int b;

```