```
};


void inithelloworld(void)

{

    Py_InitModule3("helloworld", helloworld_funcs,

                   "Extension module example!");

}
```

Here the *Py_BuildValue* function is used to build a Python value. Save above code in hello.c file. We would see how to compile and install this module to be called from Python script.

Building and Installing Extensions

The *distutils* package makes it very easy to distribute Python modules, both pure Python and extension modules, in a standard way. Modules are distributed in source form and built and installed via a setup script usually called *setup.py* as follows.

For the above module, you need to prepare following setup.py script:

```
from distutils.core import setup, Extension

setup(name='helloworld', version='1.0',  \

      ext_modules=[Extension('helloworld', ['hello.c'])])
```

Now, use the following command, which would perform all needed compilation and linking steps, with the right compiler and linker commands and flags, and copies the resulting dynamic library into an appropriate directory:

```
$ python setup.py install
```

On Unix-based systems, you'll most likely need to run this command as root in order to have permissions to write to the site-packages directory. This usually is not a problem on Windows.

Importing Extensions

Once you installed your extension, you would be able to import and call that extension in your Python script as follows: