

Packages in Python

A package is a hierarchical file directory structure that defines a single Python application environment that consists of modules and subpackages and sub-subpackages, and so on.

Consider a file *Pots.py* available in *Phone* directory. This file has following line of source code:

```
#!/usr/bin/python

def Pots():
    print "I'm Pots Phone"
```

Similar way, we have another two files having different functions with the same name as above:

- Phone/Isdn.py file having function Isdn()
- Phone/G3.py file having function G3()

Now, create one more file `__init__.py` in *Phone* directory:

- Phone/`__init__.py`

To make all of your functions available when you've imported Phone, you need to put explicit import statements in `__init__.py` as follows:

```
from Pots import Pots
from Isdn import Isdn
from G3 import G3
```

After you add these lines to `__init__.py`, you have all of these classes available when you import the Phone package.

```
#!/usr/bin/python

# Now import your Phone Package.
import Phone
```