MacPorts — most common tasks:

Update the 'port' command itself:
> **sudo port selfupdate**

To see what's out of date, and to update all at once:
> **port outdated**
> **sudo port upgrade outdated**

To see what's installed:
> **port installed**

To update an individual port:
> **sudo port upgrade portname**

If an install fails, clean up so you can start over:
> **sudo port clean portname**

Get rid of a port:
> **sudo port uninstall portname**

See what ports are no longer being used, including older
versions of upgraded ports, and get rid of them:
> **port installed inactive**
> **sudo port uninstall inactive**

To select a particular version of a port if more than one
is installed:
> **sudo port activate portname @versionid**

For groups with multiple options, e.g. python, gcc:

To see which ports have multiple options:
> **port select --summary**

To list available versions:
> **port select --list groupname**

To see what version is currently selected:
> **port select --show groupname**

To select a particular version:
> **sudo port select --set groupname versionname**

Usage notes for the macports 'port' utility:

For all 'sudo' commands below, you must be 'su'd to your admin account.
When prompted for a password it wants your admin account password.

main website: **http://www.macports.org/**
help and usage examples: **http://guide.macports.org/**

Is MacPorts installed yet?
> **which port**

It is usually installed in /opt/local/bin, which must be in your search path.
In most cases it should be before /usr/bin to get the ports version of
utilities instead of the version that comes with the base OS X distribution.

If not installed, see here for how to get the pkg installer for your system:
https://guide.macports.org/index.html#installing.macports

Debugging problems:
The port command takes the '-d' flag to print out more debug info.

If you need to specify a particular version of a port, add it after the name:
> **port ...   portname @1.2.3_4**

More infrequently used commands:

To update individual ports and remove previous versions in one shot:
> **sudo port -u upgrade portname**

To reclaim disk space:
> **sudo port reclaim**

Looking for a port that you might want to install (keyword matches words in
both the port name as well as description):
> **port search keyword**

Print info about a port, installed or not:
> **port info portname**

See what version of the port command you have:
> **port version**

See what other ports are needed to install this port:
> **port deps portname**

To uninstall a port without checking dependencies:
> **sudo port -f uninstall portname**

See if there are options that you can select for this port:
> **port variants portname**

To specify (or restrict) the variations:
> **sudo port install portname +variant**
> **sudo port install portname -defaultvariant**