

Programming A – Installing Python

This small note describes different possibilities for installing Python on different platforms.

Linux

In your Linux distribution, Python will most likely be pre-installed. If not (or if Tkinter is missing), consult the manual of your Linux distribution for installing the appropriate package.

For Ubuntu, issue the following commands in `gnome-terminal`:

```
sudo apt-get update
sudo apt-get install python-tk
wget http://imada.sdu.dk/~petersk/DM502/lit/swampy-2.0.zip
unzip swampy-2.0.zip
echo "export PYTHONPATH=/home/$USER/swampy-2.0/python2/" >> .bashrc
exec bash
```

Windows

1. **Install a Linux distribution, e.g. Ubuntu:** <http://www.ubuntu.com/download>

Then follow the guidelines above.

2. **Install cygwin:** <http://cygwin.com/setup.exe>

In the package selection, search for (and select) `python`, `nano`, and `tkinter`. After the installation, start cygwin and issue the following commands:

```
wget http://imada.sdu.dk/~petersk/DM502/lit/swampy-2.0.zip
unzip swampy-2.0.zip
echo "export PYTHONPATH=/home/$USER/swampy-2.0/python2/" >> .bashrc
exec bash
```

3. **Download the Python installer for Windows:** <http://python.org/download/>

In this variant, to run e.g. `TurtleWorld`, you need to set the environment variable `PYTHONPATH` to point to the sub-directory `python2` in the extracted `swampy-2.0` directory. How to do this depends highly on the version of Windows you are using. Consult your documentation or the Internet.

Mac OS X

1. **Use MacPorts:** <http://www.macports.org/install.php>

Issue the following commands in a Terminal:

```
sudo port install python27
sudo port install py27-tkinter
wget http://imada.sdu.dk/~petersk/DM502/lit/swampy-2.0.zip
unzip swampy-2.0.zip
echo "export PYTHONPATH=/Users/$USER/swampy-2.0/python2/" >> .bash_profile
exec bash
```

2. **Download the Python installer for Mac:** <http://python.org/download/> Issue the following commands in a Terminal:

```
wget http://imada.sdu.dk/~petersk/DM502/lit/swampy-2.0.zip
unzip swampy-2.0.zip
echo "export PYTHONPATH=/Users/$USER/swampy-2.0/python2/" >> .bash_profile
exec bash
```