# How to install aima-python

There is a great collection of very complicated (and complete) codes from Russell and Norvig (authors of *Artificial Intelligence: A Modern Approach*) that covers all the textbook. If you're interested in, you can find them on GitHub but they have a lot of dependencies, also internal dependencies, so you have to follow the instructions written in the link

https://github.com/aimacode/aima-python

to install all. The outcome of the installation is not obvious on Windows, but if you use Linux you can just follow the steps on the GitHub page.

## Windows only

In order to avoid issues on Windows, my advice is to install a very good virtual machine, developed by Microsoft, so you can run Linux programs on a Windows computer: its name is WSL2 (Windows Subsystem for Linux 2). The advantage of WSL2 with respect to other virtual machines is that you won't run Linux in an emulated environment but alongside Windows processes (and of course it is lighter than usual VMs).

You can follow a simple guide to install Windows Subsystem for Linux from here

https://docs.microsoft.com/en-us/windows/wsl/install-win10

Just pay attention to one thing: the first part named "Simplified Installation for Windows Insiders". Participating in the Windows Insider Program will make you install a preview (and experimental) build of Windows. I won't recommend you to do that because these builds are often a little buggy. My advice is to follow manual steps listed below under "Manual Installation Steps" from step 1 to step 6 (at the last step the best choice is Ubuntu).

After these steps you will have a working Linux terminal on your Windows OS. You can follow the previous guide on how to install Jupyter via terminal (so conda, jupyter, pip), as you are on Linux. After that you can install aima-python codes and try to use them.

To open Jupyter you have to write on Linux terminal

```
jupyter lab  --no-browser
```

then a url like

*http://localhost:8888/?token=b568d178684kj34h5kj4poo7e9b517...*

will appear and you have to copy it in your browser to use Jupyter.

If you wish to browse your Linux files you have to type the following command line

```
explorer.exe  .
```

including the last dot.

If you have some issues or you have some question you can contact me at francesco.diclemente@unife.it and I'll try to help you someway (not assured I'll be able to).