How to Run Jupyter Notebooks

On University of Bath Computers

To run Jupyter Notebooks on the University's computers, search for "Jupyter Notebook" on the Windows taskbar, and launch the desktop app that appears.

Once launched, a command prompt will appear, and a browser window may automatically be opened for you. If a browser window does not appear, open one yourself and type "localhost:8888/tree" into the address bar.

If Jupyter asks you for an authentication token, you can find it in the Jupyter console window.

We recommend that you use either Firefox or Chrome, as they work more reliably than Internet Explorer or Edge.

Please note that Jupyter Notebooks only have access to the H: drive on University computers. When downloading lab materials or coursework exercises, be sure to save them to a location on your H: drive, not accidentally to the C: drive or the X: drive.

On Your Own Computer

You can install Jupyter on your own computer in various ways. One way is to use Anaconda 3, available from https://www.anaconda.com/download. Once you have set up Anaconda 3, you can follow this guide to get started: https://jupyter-notebook-beginner-guide.readthedocs.io/en/latest/

Alternatively, you can use Jupyter Notebooks without Anaconda, using a package manager like pip. If you do this, please also be sure to install the NumPy and Matplotlib packages, which are required for your coursework. Jupyter Notebooks can be started in a folder by entering the command `jupyter notebook` into a terminal in that folder.

A general installation guide can be found here: https://jupyter.org/install

However you go about setting up Jupyter Notebooks, please ensure that you are running Python 3. You can check the Python version is correct by looking at the top-right of your screen once you have opened a Jupyter Notebook.

Opening A Notebook

Once you have installed Jupyter Notebooks and have it running, download the lab materials from the CM50270 Moodle page. Once you have downloaded the .zip file and extracted its contents to a folder, navigate to that folder in the Jupyter Notebook browser window. Click on the .ipynb file that should be present, and the notebook file should open in a new browser tab. Happy coding!