

# FAI lab session 1 - Get Start

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## Task 1 Setup environment

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Follow the instruction in `FAI Software Setup_updated.pdf` to install anaconda with version 3.8 (you will automatically install python 3.8 together with anaconda). Setup the environment **FAIens** for this module and remember to activate/deactivate the environment before/after you work with your lab and coursework.

to activate the environment:

```
conda activate FAIens
```

to deactivate the environment:

```
conda deactivate
```

## working with school's computer

If you are working with vdi.nottingham.edu.cn, you need install the following packages everytime you log in.

```
conda install matplotlib networkx sortedcontainers ipywidgets
```

## Task 2 Start with Jupyter Notebook

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Start Notebook with:

```
jupyter notebook
```

Follow the instruction in the three notebooks to get familiar with jupyter notebook.

1. `Notebook Basics.ipynb`
2. `Running Code.ipynb`

3. `Working with Markdown Cells.ipynb`

## Task 3 Start with Python

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- Read the tutorials and try code on `jupyter-notebook-tutorial.ipynb`.
- `python3Cheatsheet.pdf` can be used to have a quick check when you work on your own code.