Installing Anaconda

We will use anaconda installation for installing anything that we require for all of the notebook exercises. Anaconda is self contained package manager to install softwares without interfering with operating system. The link to install annaconda and installation instruction can be found here.

Instructions for installing Q#

1. Create an environment in conda each for Q#

```
conda create -n qsharp-env python=3
```

Here we are asking conda to *create* a virtual environment named *qsharp-env* with python3 and install the package *notebook*. This is enough for either using visual studio code to run a python notebook, or run jupyter notebook.

2. Activate conda environment -

```
conda activate qsharp-env
```

This will load conda environment. Anything installed by pip or conda will be installed in this environment.

3. Now, we need to install Q#, within the environment using conda.Run following to install Q# and related dependencies in the environment.

```
conda install -c microsoft qsharp notebook
```

4. Now open jupyter notebook by running the following command you will find a Q# kernel to run Q# notebooks on in the New file section of Jupyter notebook

```
jupyter notebook
```

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Notebook:
Julia 1.8.5
Julia 4 threads 1.8.5
Python 3 (ipykernel)
Q#

Other:
Text File
Folder
Terminal