# Writing Smart Contracts 02 Tool Setup

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Supported by the Algorand Foundation

## Anaconda

## (1) Get Anaconda

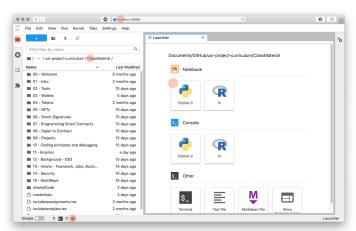
- https://www.anaconda.com/products/individual
- No need to register or create an account
- Download and install Anaconda "Individual Edition"

## (2) Anaconda Navigator



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## A quick intro to Jupyterlab



- Notebook (text+code+results)
- Access with browser
- Markdown language
   → 02\_WSC\_JupyterLab.ipynb
- Run Python in notebook
   → 02\_WSC\_Python.ipynb
- Files in current directory
- Jupyter = Julia/Python/R

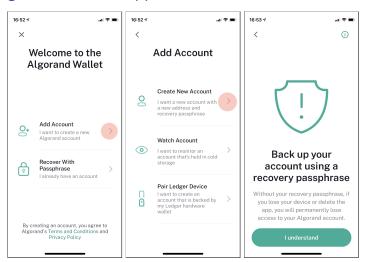
## Algorand Wallet App - Install





https://apps.apple.com/at/app/algorand-wallet/id1459898525?l=en https://play.google.com/store/apps/details?id=com.algorand.android&hl=en&gl=US

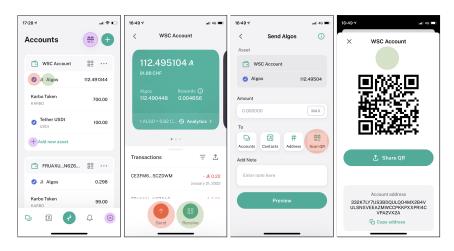
# Algorand Wallet App - Create an account



Create an account, store the passphrase

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# Algorand Wallet App - Make a transfer

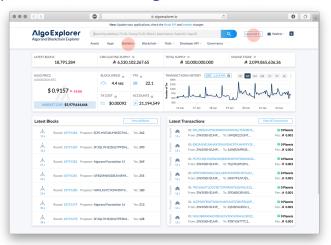


RED = send, GREEN = receive

**Testnet:** • Hexagon / { } Developer Settings / Node Settings / TestNet (orange bar)

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## A quick view of the Algorand Blockchain

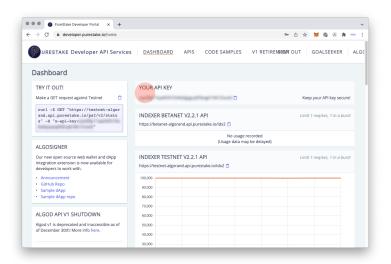


#### https://algoexplorer.io/

- Explore statistics
- Search for your wallet address (how?)
- Search for "USI" on the testnet

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## Purestake API



https://developer.purestake.io/ > Register for free > Login

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## Tools overview

#### Locally installed

- Anaconda
  - JupyterLab (access via browser)
  - Python + Algorand SDK Library + PyTEAL
- Algorand Wallet App for iOS/Android

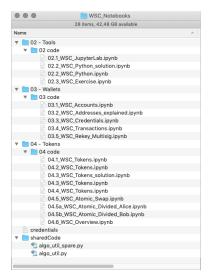
#### **API-Access**

- Read blockchain data via Purestake API
- Submit transactions via Purestake API

#### Web-Access

Algo Explorer

## Folder structure notebooks



Do not change this structure! Add new folders in correct level.