**Homework 3**

Installing Solana Command Line Tools

You can either install the tools locally, or use the gitpod environment

The instructions are also given in the [documentation](https://docs.solana.com/cli/install-solana-cli-tools)

Mac / Linux

sh -c "$(curl -sSfL https://release.solana.com/v1.14.6/install)"

You need to follow the instructions about updating the PATH variable, you can check the installation with

solana --version

Windows

Open a command prompt as an administrator Run

curl https://release.solana.com/v1.14.6/solana-install-init-x86\_64-pc-windows-msvc.exe --output C:\solana-install-tmp\solana-install-init.exe --create-dirs

C:\solana-install-tmp\solana-install-init.exe v1.14.6

Close and re open the command prompt, this time as a normal user Check the installation with

solana –version

1. solana-cli 1.14.6 (src:cfb2cbe1; feat:2390042548)

To get help run

solana --help

Create a keypair

mkdir ~/my-solana-wallet

solana-keygen new --outfile ~/my-solana-wallet/my-keypair.json

display the result with

solana-keygen pubkey ~/my-solana-wallet/my-keypair.json

1. EPGbWoaEKbEEowSQQgS4ZsuebJ3QNYpKK6tCVE8c4sKw

verify your address

solana-keygen verify <PUBKEY> ~/my-solana-wallet/my-keypair.json

1. Verification for public key: EPGbWoaEKbEEowSQQgS4ZsuebJ3QNYpKK6tCVE8c4sKw: Success

Connect to the dev network

solana config set --url <https://api.devnet.solana.com>

1. Config File: C:\Users\LBOOPATH\.config\solana\cli\config.yml

RPC URL: https://api.devnet.solana.com

WebSocket URL: wss://api.devnet.solana.com/ (computed)

Keypair Path: C:\Users\LBOOPATH\.config\solana\id.json

Commitment: confirmed

You can check the configuration with

solana config get

1. Config File: C:\Users\LBOOPATH\.config\solana\cli\config.yml

RPC URL: https://api.devnet.solana.com

WebSocket URL: wss://api.devnet.solana.com/ (computed)

Keypair Path: C:\Users\LBOOPATH\.config\solana\id.json

Commitment: confirmed

Get some tokens from dev net

solana airdrop 1 <RECIPIENT\_ACCOUNT\_ADDRESS> --url https://api.devnet.solana.com

1. Requesting airdrop of 1 SOL

Signature: 3EgteS1vBXHRNCnksdNMNzNYcJkqgUKiCeiQhwcEaNx76wMiJ7XxfXbRFBF2KBSWTNkteVdWJM5qcgaGZT8LyNwA

1 SOL

you will receive the transaction ID, and can look for this on the [dev net block explorer](https://explorer.solana.com/?cluster=devnet) You can also check your balance with

Requesting airdrop of 1 SOL

1. <https://explorer.solana.com/tx/3EgteS1vBXHRNCnksdNMNzNYcJkqgUKiCeiQhwcEaNx76wMiJ7XxfXbRFBF2KBSWTNkteVdWJM5qcgaGZT8LyNwA?cluster=devnet>

solana balance <ACCOUNT\_ADDRESS> --url https://api.devnet.solana.com

1. 1 SOL

Installing other wallets

Try one of the following wallets :

1. phantom wallet

download the [extension](https://chrome.google.com/webstore/detail/phantom/bfnaelmomeimhlpmgjnjophhpkkoljpa?hl=en) for the chrome / brave browser

The Phantom wallet is available as a mobile download application and a browser extension tool for various desktop web browsers.

Wallet allows users to generate new accounts or to import existing ones with the seed phrase. Phantom presents a graphical user interface (GUI) to mask the technicalities of signing transactions and storing funds. It also has an inbuilt swap and stake functionality.

1. Solflare Wallet

download [extension](https://chrome.google.com/webstore/detail/solflare-wallet/bhhhlbepdkbapadjdnnojkbgioiodbic) for the chrome / brave browser

1. Done

Try interacting with Apps on the Dev network

For example <https://devnet.zeta.markets/>

they air drop you some test USDC for you to use in their app.

1. Done