

1- Deploy token to sepolia testnet

```
$ npx ts-node --files ./scripts/DeployMyToken.ts Deployer address:
```

0x32851218d52BCeFfCbD2f0aC9Df56c8EC413Af7B

Deployer balance: 0.049903179262852033 ETH

Deploying MyToken contract

Transaction hash:

0x7591869dfa8e4d3928f103e12713b5bdd8c082701e05811a5afa50eb1f3b24c5

Waiting for confirmations...

MyToken contract deployed to: 0x5e691869bd13b7d8adf8658e8d18f4e2163ddc90

2- Mint 3 tokens for account A

```
$ npx ts-node --files ./scripts/MintVotingTokens.ts
```

0x5e691869bd13b7d8adf8658e8d18f4e2163ddc90

0xC1d9FE26C0cEF9a8c82fc4b0267eDfb819CD47fa 3 PRIVATE_KEY_A

Contract address is 0x5e691869bd13b7d8adf8658e8d18f4e2163ddc90

New minter address is 0xC1d9FE26C0cEF9a8c82fc4b0267eDfb819CD47fa

Number of tokens to mint is 3

Transaction hash:

0x3181f33323b8cc1879acce5bbf94020bb31400d34d0ea94c0bc778890f3753b3

Waiting for confirmations...

Transaction confirmed

Minter Role: 0x9f2df0fed2c77648de5860a4cc508cd0818c85b8b8a1ab4ceef8d981c8956a6

given to address: 0xC1d9FE26C0cEF9a8c82fc4b0267eDfb819CD47fa

Initial total supply: 0n

Transaction hash:

0x2c3fbd5e125e85d34f234e90046e364fa2b923408afbe655a8f9fcd605c8e439

Waiting for confirmations...

New minter converted Balance is 3 MTK

3- Mint 2 tokens for account B

```
$ npx ts-node --files ./scripts/MintVotingTokens.ts
```

0x5e691869bd13b7d8adf8658e8d18f4e2163ddc90

0x10678c38b9E32187E4AD2B1262f77F261e5f4a13 2 PRIVATE_KEY_B

Contract address is 0x5e691869bd13b7d8adf8658e8d18f4e2163ddc90

New minter address is 0x10678c38b9E32187E4AD2B1262f77F261e5f4a13

Number of tokens to mint is 2

Transaction hash:

0xd7b91609b58917e7901d2636a4381c5f6064a394a35f054d48ae18c5fa2b171b

Waiting for confirmations...

Transaction confirmed

Minter Role: 0x9f2df0fed2c77648de5860a4cc508cd0818c85b8b8a1ab4ceef8d981c8956a6

given to address: 0x10678c38b9E32187E4AD2B1262f77F261e5f4a13

Initial total supply: 3000000000000000000n

Transaction hash:

0x9f6617de4833fbf54cf365f450352c3a6ebbdcc4890891063c083f6d25a17e61

Waiting for confirmations...

New minter converted Balance is 2 MTK

New total supply: 5000000000000000000n

4- Account A self delegates

```
$ npx ts-node --files ./scripts/SelfDelegateVotingPower.ts
```

0x5e691869bd13b7d8adf8658e8d18f4e2163ddc90 PRIVATE_KEY_A

Account: 0xC1d9FE26C0cEF9a8c82fc4b0267eDfb819CD47fa has 0 units of voting power before self delegating

Transaction hash of delegate:

0x711551e559897d9d85d58c7aea161fb65f65296636128a67985a65e2e6c1f1e9

Account: 0xC1d9FE26C0cEF9a8c82fc4b0267eDfb819CD47fa has 3000000000000000000 units of voting power after self delegating

5- Account B self delegates

```
$ npx ts-node --files ./scripts/SelfDelegateVotingPower.ts
```

0x5e691869bd13b7d8adf8658e8d18f4e2163ddc90 PRIVATE_KEY_B

Account: 0x10678c38b9E32187E4AD2B1262f77F261e5f4a13 has 0 units of voting power before self delegating

Transaction hash of delegate:

0xba4cec3d792a01032ce07777b4d4413203454ccfb0c055ad12021a18d1c455cb

Account: 0x10678c38b9E32187E4AD2B1262f77F261e5f4a13 has 2000000000000000000 units of voting power after self delegating

6- Deploying TokenizedBallot.sol

```
$ npx ts-node --files ./scripts/DeployTokenizedBallot.ts
```

0x5e691869bd13b7d8adf8658e8d18f4e2163ddc90

Deployer address: 0x32851218d52BCeFfCbd2f0aC9Df56c8EC413Af7B

Deployer balance: 0.049888369915623721 ETH

Deploying TokenizedBallot contract

Transaction hash:

0x285e7dbc99c4118d280ff1a786092baee348e036d864612c3800309b71993bbf

Waiting for confirmations...

TokenizedBallot contract deployed to: 0x6286467ccbc7030a5a3676e7a135a478c8713c1c

7- Account A casts 1 vote for proposal index 1

```
$ npx ts-node --files ./scripts/CastVote.ts 0x6286467ccbc7030a5a3676e7a135a478c8713c1c
```

```
PRIVATE_KEY_A 1 1
```

Account: 0xC1d9FE26C0cEF9a8c82fc4b0267eDfb819CD47fa has units of voting power:

300000000000000000 before voting

Transaction hash of vote:

0x2667f973fe001c340e683cdf08a94de877da75fe78d7e40b9fc5ebd1c902b6dc

Waiting for confirmations...

Account: 0xC1d9FE26C0cEF9a8c82fc4b0267eDfb819CD47fa cast 1000000000000000000

votes for proposal: 1

Account: 0xC1d9FE26C0cEF9a8c82fc4b0267eDfb819CD47fa has units of voting power:

200000000000000000 after voting

8- Account B casts 2 votes for proposal index 2

```
npx ts-node --files ./scripts/CastVote.ts 0x6286467ccbc7030a5a3676e7a135a478c8713c1c
```

```
PRIVATE_KEY_B 2 2
```

Account: 0x10678c38b9E32187E4AD2B1262f77F261e5f4a13 has units of voting power:

200000000000000000 before voting

Transaction hash of vote:

0xb474f4b627a427d36ff2d6d775e30359e836ad894693858fb0c5c74dff527d22

Waiting for confirmations...

Account: 0x10678c38b9E32187E4AD2B1262f77F261e5f4a13 cast 2000000000000000000

votes for proposal: 2

Account: 0x10678c38b9E32187E4AD2B1262f77F261e5f4a13 has units of voting power: 0 after

voting

9 - Querying the results. Note that this has no transaction associated

```
$ npx ts-node --files ./scripts/QueryResults.ts
```

```
0x6286467ccbc7030a5a3676e7a135a478c8713c1c
```

winningProposalNumber is 2 and proposal is Proposal Number 2