

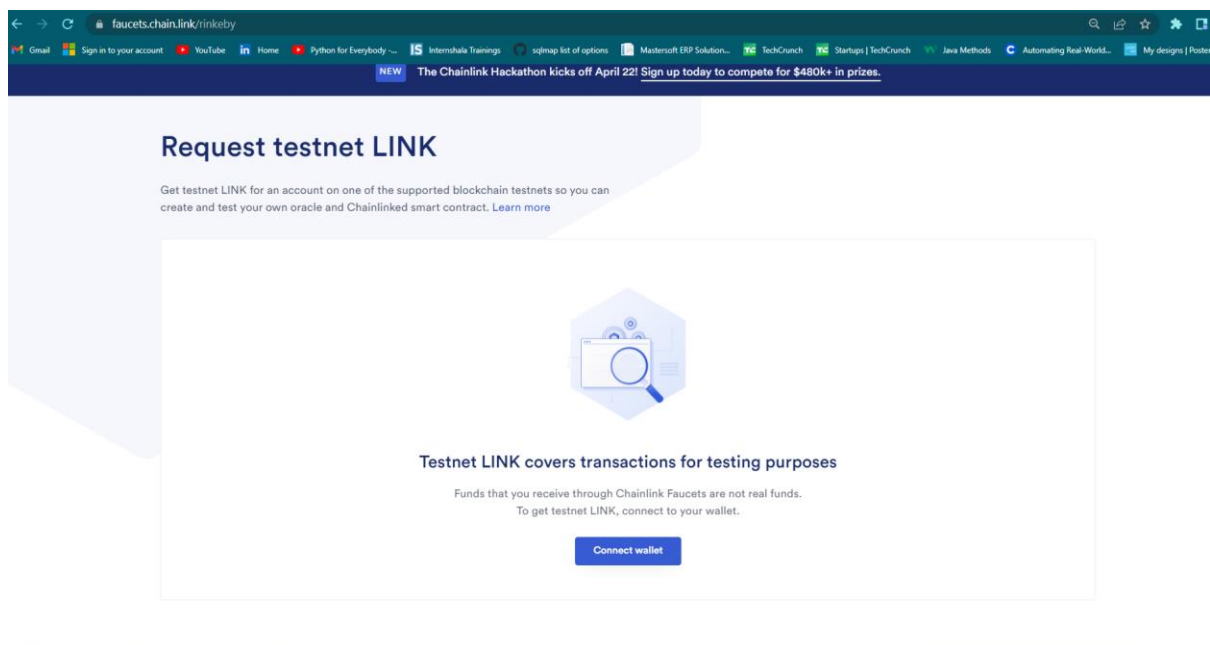
Skill Development Program:

BLOCKCHAIN:

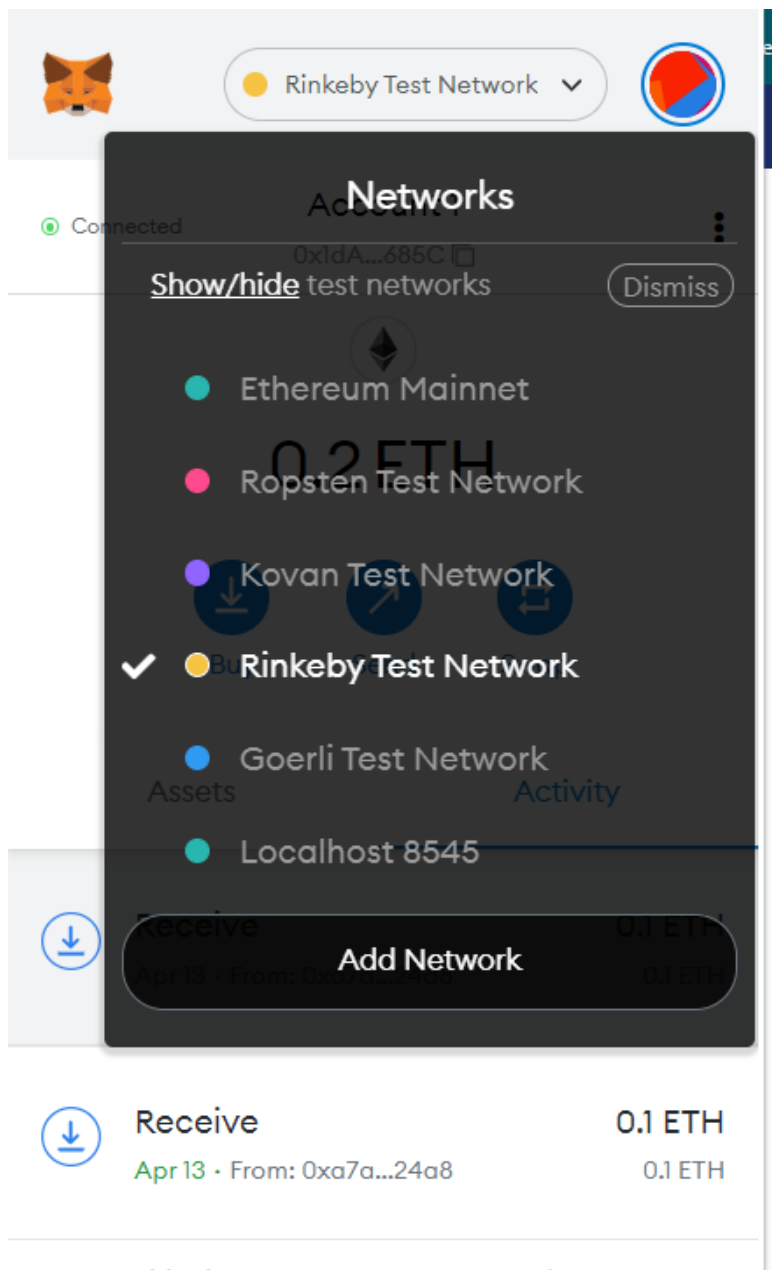
Assignment Day 2:

Creating DAO and tokens:

Using faucet to connect to wallet on Metamask (Funds that you receive through Chainlink Faucets are not real funds.)




In metamask- go to network and choose Rinkeby Test Network from the available networks.



Request for testnet link- here we get testnet link for requesting 0.1 test ETH for our account.

## Request testnet LINK

Get testnet LINK for an account on one of the supported blockchain testnets so you can create and test your own oracle and Chainlinked smart contract. [Learn more](#)

Network	Wallet address
<div>⬇ Ethereum Rinkeby</div>	<div>Ox1da39ff463287c477468b1ab5ca8be8d5a16685c</div>
Request type	
<div><input checked="" type="checkbox"/> 10 test LINK</div>	<div><input checked="" type="checkbox"/> 0.1 test ETH</div>
<div><input type="checkbox"/> I'm not a robot  reCAPTCHA Privacy - Terms</div>	
<div>Send request</div>	

 Need more testnet ETH? Get ETH from [Ethereum Rinkeby Faucet](#)

Enter wallet address Initiating Waiting for confirmation Tokens transferred

## Waiting for confirmation

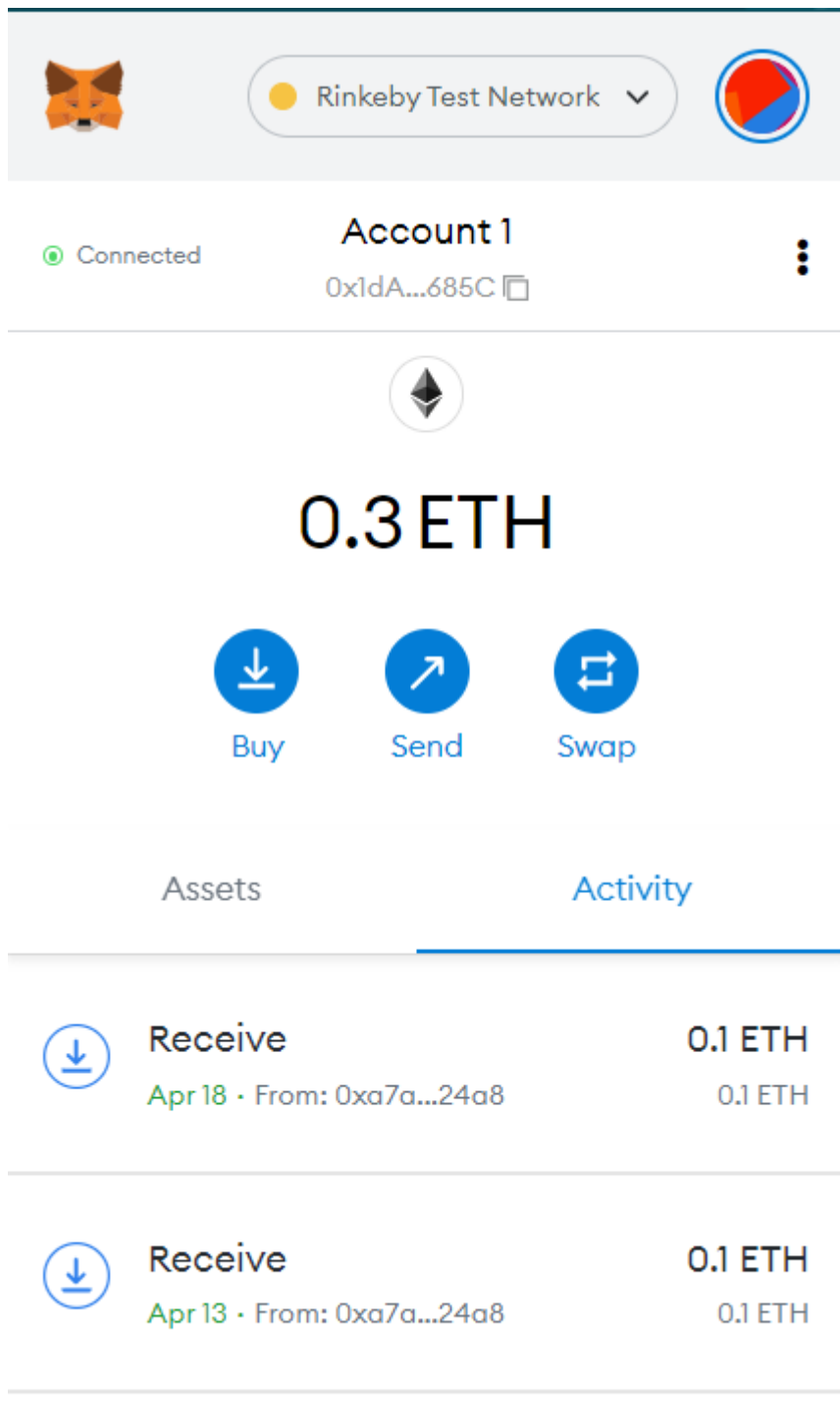
Transactions have been initiated. Waiting for confirmation.

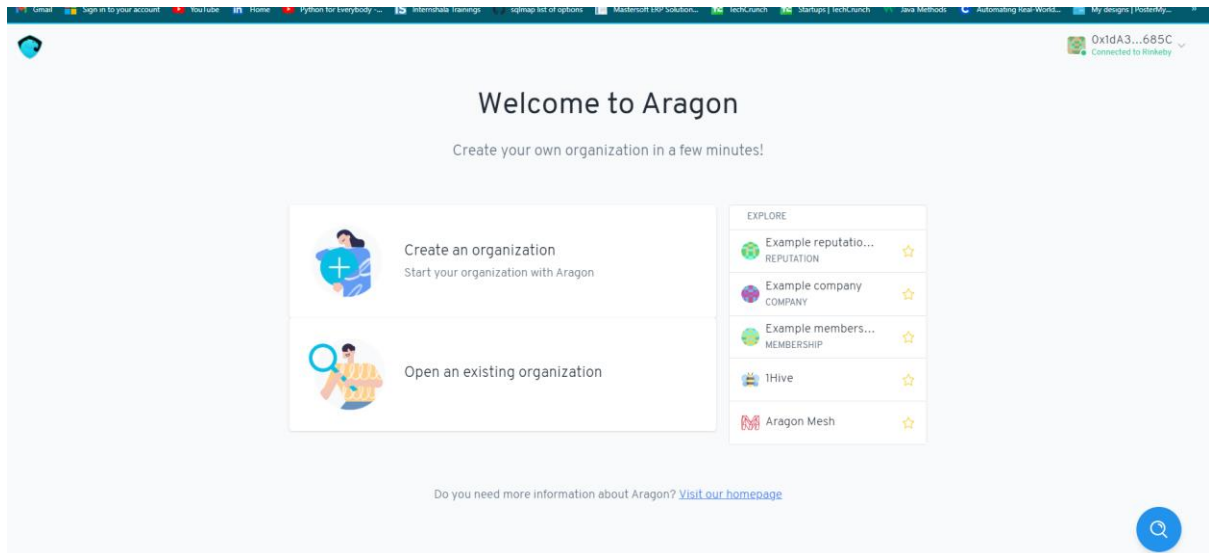
Request type	Transaction hash
10 test LINK	<a href="#">0xb969c3b643b35000d834d62088be65a8f245f9d73b45ad6346cde7b09a9520fe</a>

Request type	Transaction hash
0.1 test ETH	<a href="#">0xa74610b3c5c5e72225a55453c6f1c1533490b68687d0af583eceaafb98979ddf</a>

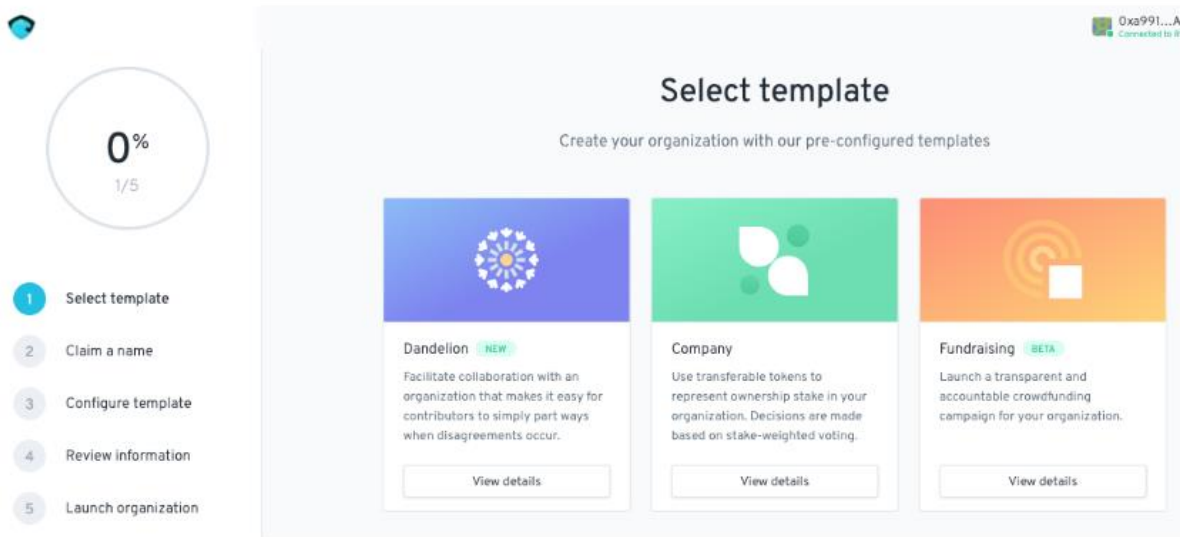
Close

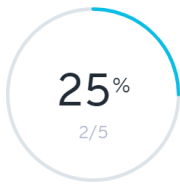
Upon request completion 0.1 ETH (fake) will be transferred to the linked wallet





Choose any template (company template)





- ✓ Company
- 2 Claim domain
- 3 Configure template
- 4 Review information
- 5 Launch organization

## Claim a name

ORGANIZATION'S NAME

odessy .aragonid.eth ✓

Aragon uses the [Ethereum Name Service \(ENS\)](#) to assign names to organizations. The name you choose will be mapped to your organization's Ethereum address and cannot be changed after you launch your organization.

← Back Next: Configure template



- ✓ Company
- ✓ odessy.aragonid.eth
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## Configure template

Choose your Voting settings below.

SUPPORT % ⓘ

20 %

MINIMUM APPROVAL % ⓘ

6 %

VOTE DURATION ⓘ

0 Days 0 Hours 5 Minutes

The support and minimum approval thresholds are strict requirements, such that votes will only pass if they achieve approval percentages greater than these thresholds.

← Back Next: Configure template

Pick some token names and issue wallet address







- ✓ Company
- ✓ odessy.aragonid.eth
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## Configure template

Choose your [Tokens](#) settings below.

TOKEN NAME <sup>?</sup>	TOKEN SYMBOL <sup>?</sup>
DC	DC

TOKEN HOLDERS	BALANCES
 0xidA39fF463287c477468b1ab5CA8BE8D5A16685C 	20
 0xd3138f55c0150910471b274ac54e6abb33f089e1 	20

[+ Add more](#)

These settings will determine the name and symbol of the token that will be created for your organization. Add members to define the initial distribution of this token.

[← Back](#) [Next: Review information](#)

Token is created in metamask and sent to Aragon to launch an organization.

Rinkeby Test Network



Account 1



0xA38...6A7b

New address detected! Click here to add to your address book.

<https://client.aragon.org>

0xA38...6A7b : NEW TOKEN ⓘ



DETAILS

DATA

HEX

EDIT

**Estimated gas fee** ⓘ

0.00486091

**0.004861 ETH**

*Site suggested*

Very likely in < 15 seconds

**Max fee:** 0.00486091 ETH

**Total**

0.00486091

**0.00486091 ETH**

Amount + gas fee

**Max amount:** 0.00486091 ETH





MetaMask Notification



Rinkeby Test Network



Account 1



0xA38...6A7b

New address detected! Click here to add to your address book.

<https://client.aragon.org>

0xA38...6A7b : NEW INSTANCE ⓘ



DETAILS

DATA

HEX

EDIT

**Estimated gas fee ⓘ**

0.01276269 **0.012763 ETH**

Site suggested

Very likely in < 15 seconds

**Max fee:** 0.01276269 ETH

**Total**

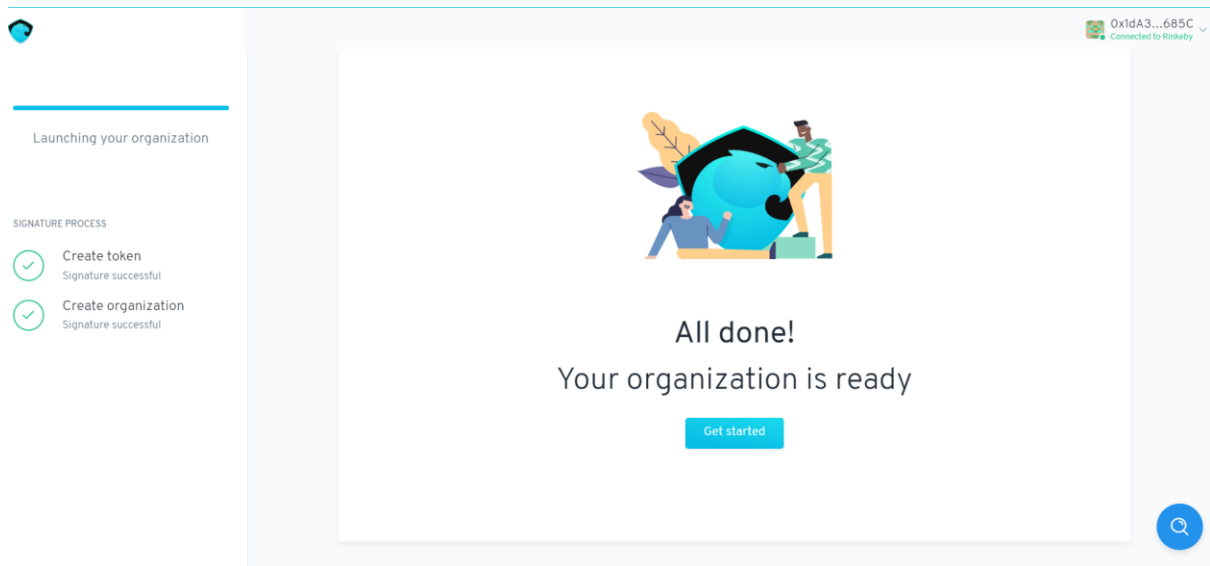
0.01276269 **0.01276269 ETH**

Amount + gas fee

**Max amount:** 0.01276269 ETH

Reject

Confirm



Now a DAO in Aragon Is created using Metamask, the test ETH can be sent to anyone using the Send , to anyone whose wallet address is known. The same way even real cryptocurrencies are traded.

## Smart Contract:

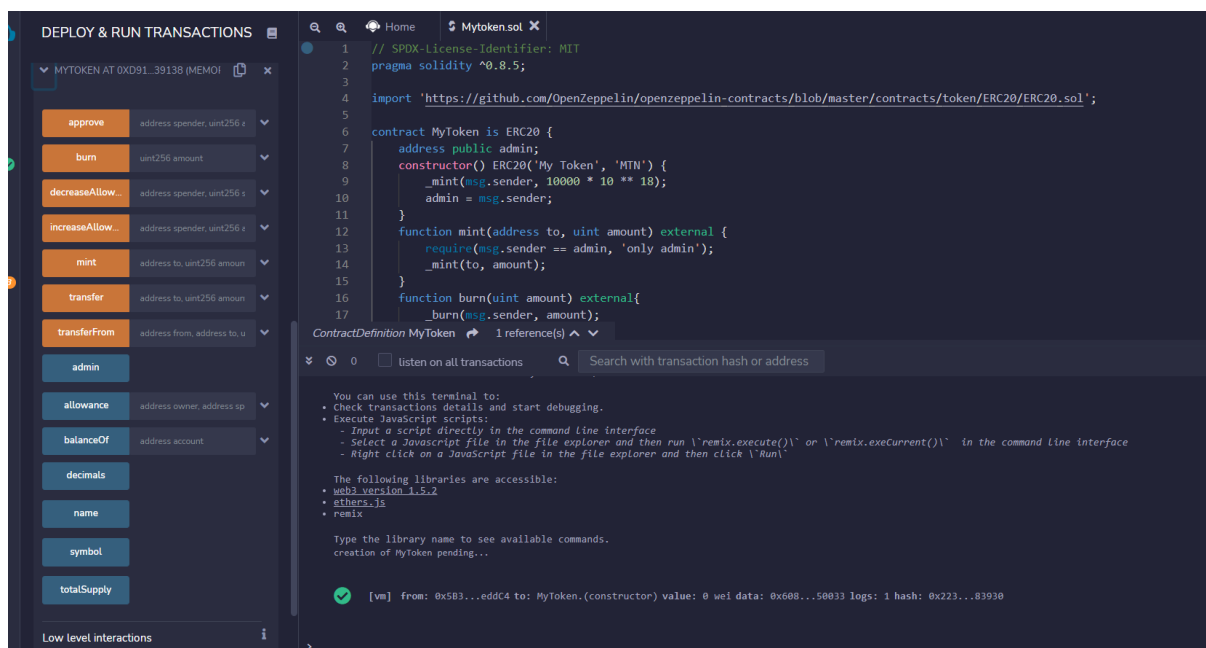
```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.5;

import 'https://github.com/OpenZeppelin/openzeppelin-
contracts/blob/master/contracts/token/ERC20/ERC20.sol';

contract MyToken is ERC20 {
    address public admin;
    constructor() ERC20('My Token', 'MTN') {
        _mint(msg.sender, 10000 * 10 ** 18);
        admin = msg.sender;
    }
    function mint(address to, uint amount) external {
        require(msg.sender == admin, 'only admin');
        _mint(to, amount);
    }
    function burn(uint amount) external{
        _burn(msg.sender, amount);
    }
}
```

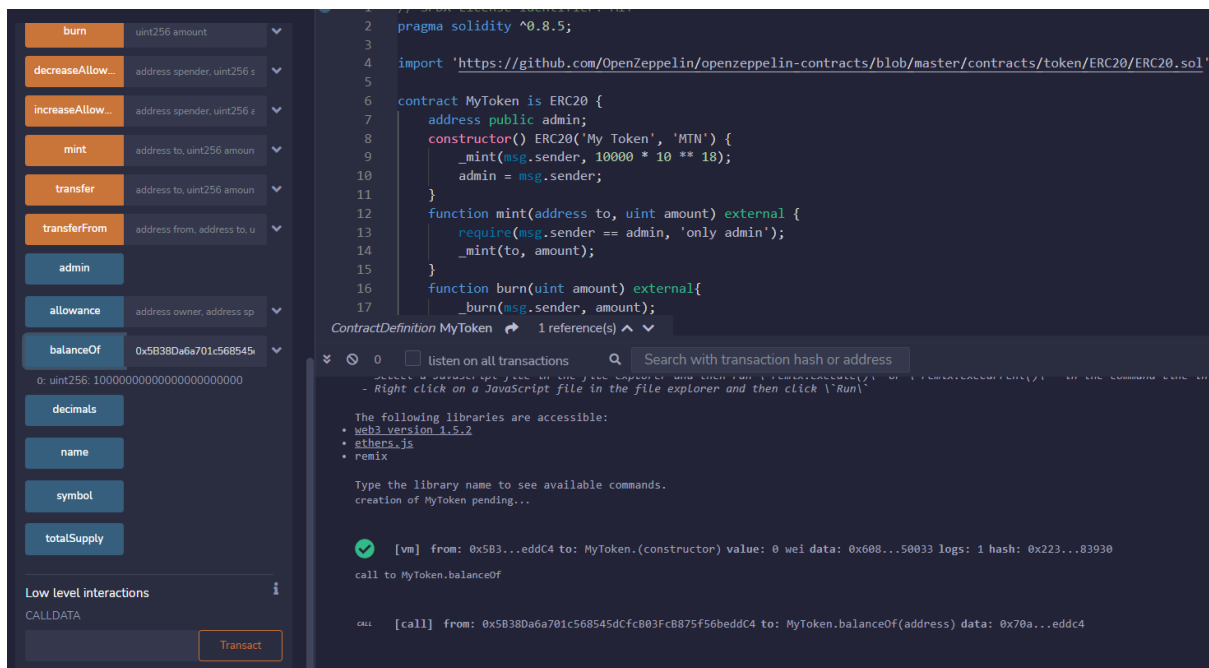
```
}
```

The above is a smart contract which helps in creating a token and the same code in remix helps in simulating the transfer of token (wallet money) from one virtual account to another.



On deploying the contract, it gives various options such as: Approve, burn, decrease allowance, increase allowance, etc.

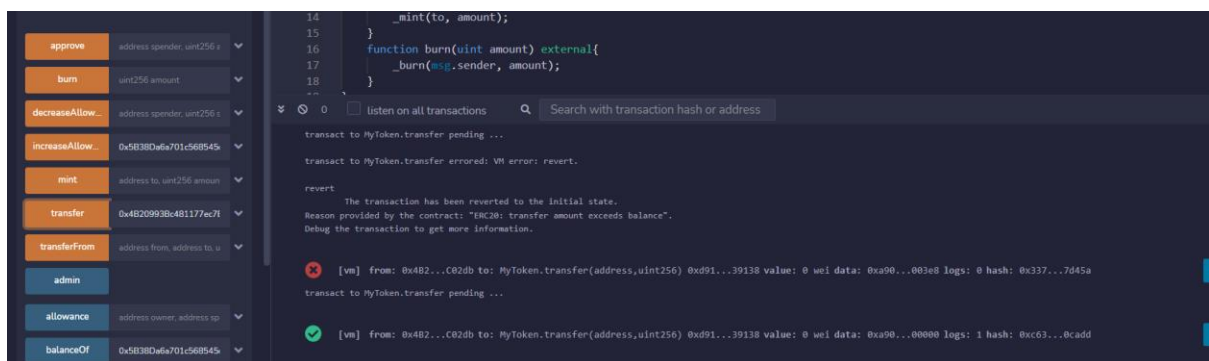
Here balanceOf function indicates the balance in the current deployed accounts wallet. (It takes the account number of the user and returns balance)



The transfer and transferFrom, either of them can be used to transfer money from one wallet to another.

Transfer requires only sender wallets address and amount to transfer.

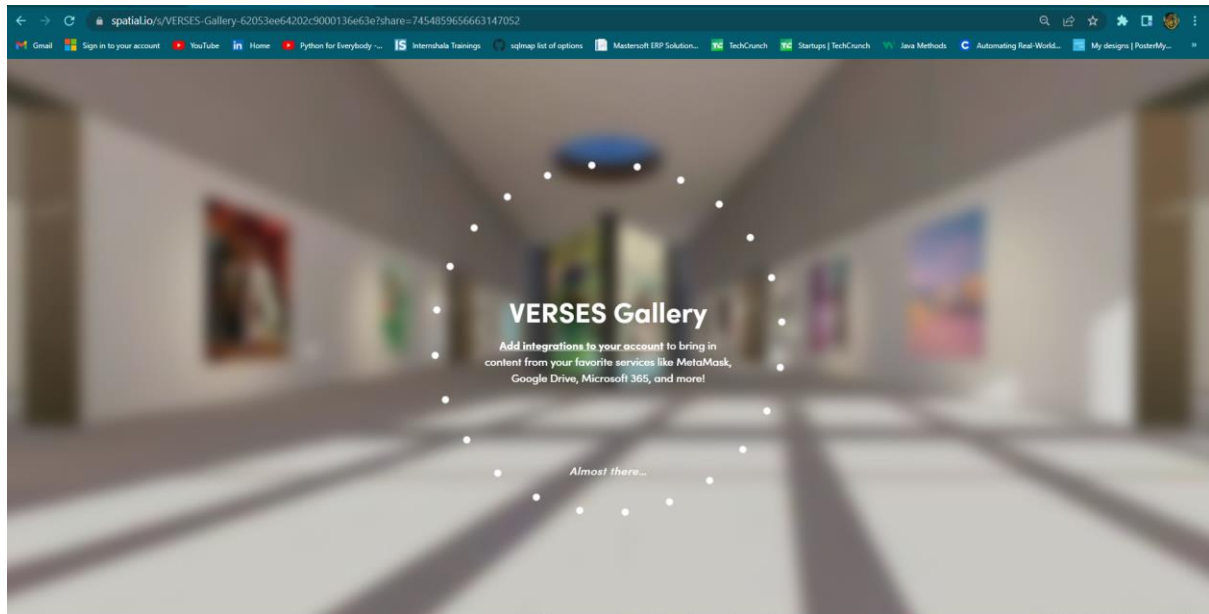
TransferFrom requires both sender and receiver wallets address and then the amount to be transferred.



Increase allowance function increases wallet amount:



# Spatial.io



Exploring art gallery in 3D

Video in github as spatial\_video

Spatial offers many such 3D exploring rooms.