MyToken

Overview

MyToken is a simple token contract written in Solidity. It provides a basic implementation ,with the ability to mint and burn tokens.

Features

Token Name: COIN

Token Abbreviation: CIN

Total Supply: 0 initially

I declared a public mapping named balances, which maps addresses to their token balances. Each address is associated with a uint value representing the balance.

Mint Function

Increases the total supply and the balance of the specified address.

The mint function takes two parameters: an address add and a value val increases the total supply by val and increases the balance of the add address by val.

Burn Function:

Decreases the total supply and the balance of the specified address.

The burn function takes two parameters: an address add and a value val.

It checks if the balance of the add address is greater than or equal to val, and if so, it decreases the total supply by val and decreases the balance of the add address by val.

Deploy the contract using Remix or any other Solidity IDE.

Use the mint function to create new tokens.

Use the burn function to reduce the number of tokens.

solidity