```
import "@openzeppelin/contracts/access/Ownable.sol";

∨ contract Box is Ownable {
   uint256 private value;
   // Emitted when the stored value changes
   event ValueChanged(uint256 newValue);
   // Stores a new value in the contract
   function store(uint256 newValue) public onlyOwner {
     value = newValue;
     emit ValueChanged(newValue);
   // Reads the last stored value
   function retrieve() public view returns (uint256) {
     return value;
```

Hardhat DAOs

```
import "@openzeppelin/contracts/token/ERC20/extensions/ERC20Votes.sol";
contract GovernanceToken is ERC20Votes {
 constructor() ERC20("GovernanceToken", "GT") ERC20Permit("GovernanceToken") {
   mint(msg.sender, s maxSupply);
 // The functions below are overrides required by Solidity.
 function afterTokenTransfer(
   address from,
   address to,
   uint256 amount
 ) internal override(ERC20Votes) {
   super. afterTokenTransfer(from, to, amount);
 function mint(address to, uint256 amount) internal override(ERC20Votes) {
   super. mint(to, amount);
 function burn(address account, uint256 amount) internal override(ERC20Votes) {
   super._burn(account, amount);
```

```
function execute(
 uint256 proposalId,
 address[] memory targets,
 uint256[] memory values,
 bytes[] memory calldatas,
 bytes32 descriptionHash
) internal override(Governor, GovernorTimelockControl) {
 super._execute(proposalId, targets, values, calldatas, descriptionHash);
function _cancel(
 address[] memory targets,
 uint256[] memory values,
 bytes[] memory calldatas,
 bytes32 descriptionHash
) internal override(Governor, GovernorTimelockControl) returns (uint256) {
 return super._cancel(targets, values, calldatas, descriptionHash);
function _executor() internal view override(Governor, GovernorTimelockControl) returns (address) {
 return super. executor();
function supportsInterface(bytes4 interfaceId)
 public
 override(Governor, GovernorTimelockControl)
 returns (bool)
 return super.supportsInterface(interfaceId);
```

```
import "@openzeppelin/contracts/governance/TimelockController.sol";

contract TimeLock is TimelockController {
    // minDelay is how long you have to wait before executing
    // proposers is the list of addresses that can propose
    // executors is the list of addresses that can execute
    constructor(
        uint256 minDelay,
        address[] memory proposers,
        address[] memory executors
    ) TimelockController(minDelay, proposers, executors) {}
}
```

```
"@openzeppelin/contracts/token/ERC20/ERC20.sol";
import "@openzeppelin/contracts/token/ERC20/extensions/draft-ERC20Permit.sol";
import "@openzeppelin/contracts/token/ERC20/extensions/ERC20Votes.sol";
import "@openzeppelin/contracts/token/ERC20/extensions/ERC20Wrapper.sol";
contract MyToken is ERC20, ERC20Permit, ERC20Votes, ERC20Wrapper {
 constructor(IERC20 wrappedToken)
   ERC20("MyToken", "MTK")
   ERC20Permit("MyToken")
   ERC20Wrapper(wrappedToken)
  {}
 function afterTokenTransfer(
   address from,
   address to,
   uint256 amount
  ) internal override(ERC20, ERC20Votes) {
   super._afterTokenTransfer(from, to, amount);
 function _mint(address to, uint256 amount) internal override(ERC20, ERC20Votes) {
   super. mint(to, amount);
 function _burn(address account, uint256 amount) internal override(ERC20, ERC20Votes) {
    super._burn(account, amount);
```