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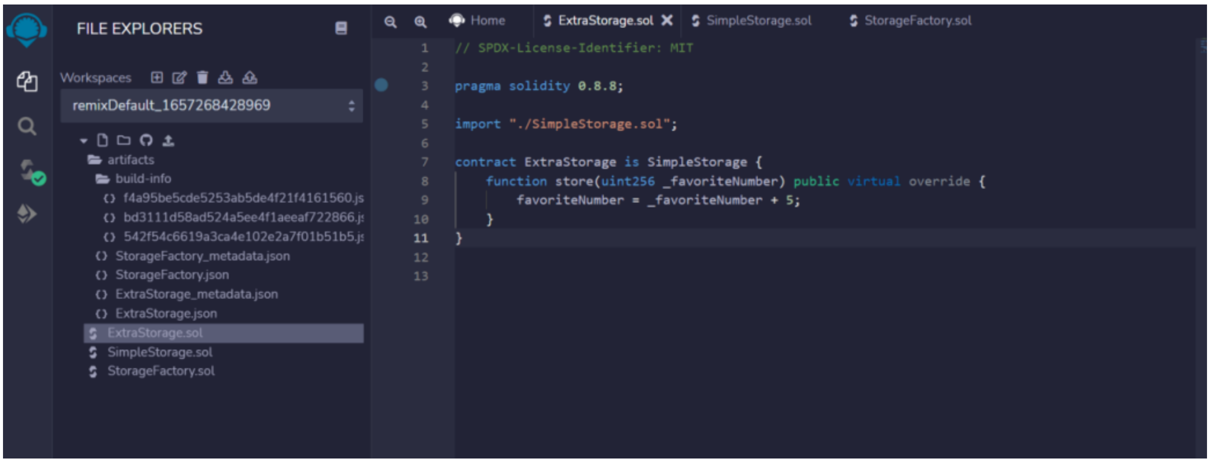
Lesson 3 : Remix Storage Factory

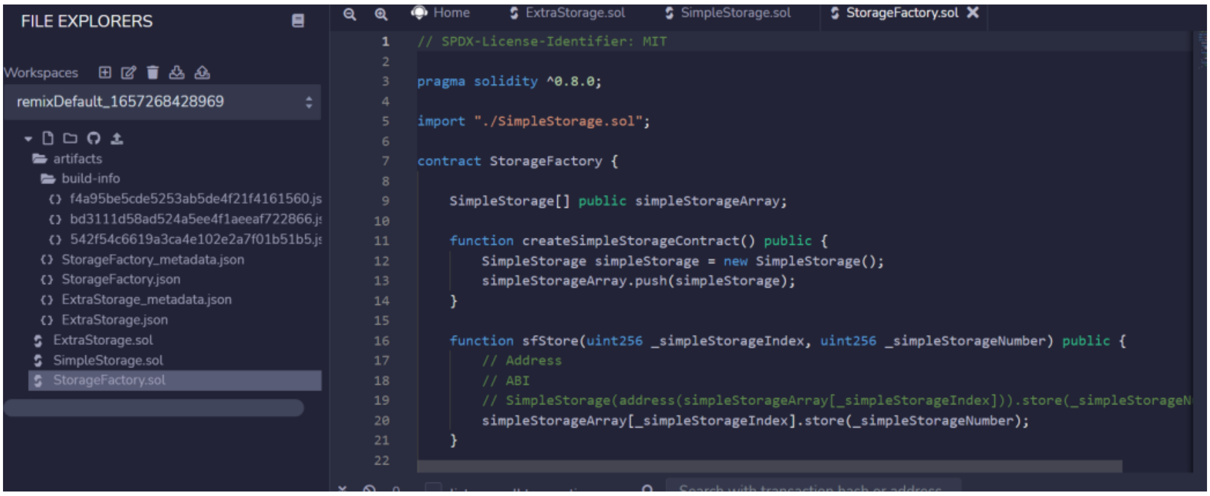

FILE EXPLORERS
Workspaces
remixDefault_1657268428969
artifacts
build-info
f4a95be5cde5253ab5de4f21f4161560.js
bd3111d58ad524a5ee4f1aeeaf722866.js
542f54c6619a3ca4e102e2a7f01b51b5.js
StorageFactory_metadata.json
StorageFactory.json
ExtraStorage_metadata.json
ExtraStorage.json
ExtraStorage.sol
SimpleStorage.sol
StorageFactory.sol
Home
ExtraStorage.sol
SimpleStorage.sol
StorageFactory.sol

```
// SPDX-License-Identifier: MIT

pragma solidity 0.8.8;

import "./SimpleStorage.sol";

contract ExtraStorage is SimpleStorage {
    function store(uint256 _favoriteNumber) public virtual override {
        favoriteNumber = _favoriteNumber + 5;
    }
}
```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StorageFactory_metadata.json
StorageFactory.json
ExtraStorage_metadata.json
ExtraStorage.json
ExtraStorage.sol
SimpleStorage.sol
StorageFactory.sol
Home
ExtraStorage.sol
SimpleStorage.sol
StorageFactory.sol
Search with transaction hash or address

```
// SPDX-License-Identifier: MIT

pragma solidity ^0.8.0;

import "./SimpleStorage.sol";

contract StorageFactory {

    SimpleStorage[] public simpleStorageArray;

    function createSimpleStorageContract() public {
        SimpleStorage simpleStorage = new SimpleStorage();
        simpleStorageArray.push(simpleStorage);
    }

    function sfStore(uint256 _simpleStorageIndex, uint256 _simpleStorageNumber) public {
        // Address
        // ABI
        // SimpleStorage(address(simpleStorageArray[_simpleStorageIndex])).store(_simpleStorageN
        simpleStorageArray[_simpleStorageIndex].store(_simpleStorageNumber);
    }

```