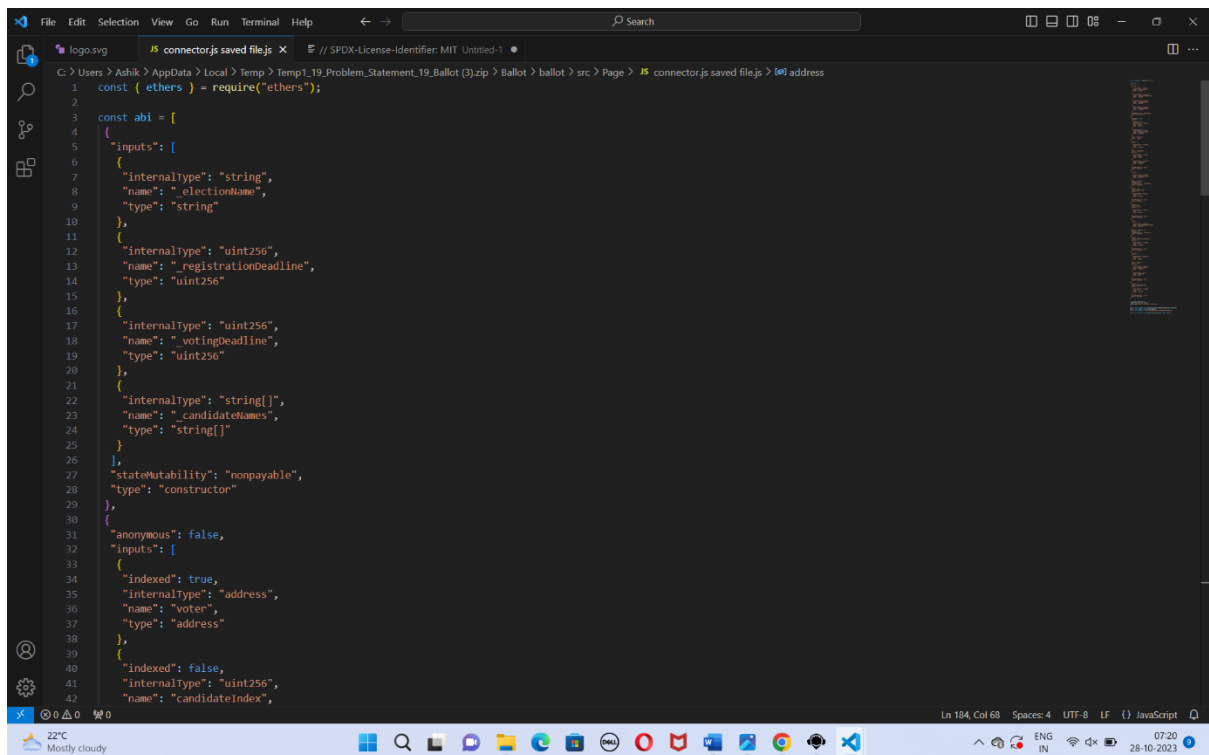


USING FILE CONNECTOR.JS

DATE	20 SEPTEMBER 2023
TEAM ID	NM2023TMID02213
PROJECT NAME	BIOMETRIC SECURITY SYSTEM FOR VOTING PLATFORM
MAXIMUM MARKS	4 MARKS



```
1 const { ethers } = require("ethers");
2
3 const abi = [
4   {
5     "inputs": [
6       {
7         "internalType": "string",
8         "name": "_electionName",
9         "type": "string"
10      },
11     ],
12     "internalType": "uint256",
13     "name": "_registrationDeadline",
14     "type": "uint256"
15   },
16   {
17     "internalType": "uint256",
18     "name": "_votingDeadline",
19     "type": "uint256"
20   },
21   {
22     "internalType": "string[]",
23     "name": "_candidateNames",
24     "type": "string[]"
25   }
26 ],
27 "stateMutability": "nonpayable",
28 "type": "constructor"
29 },
30 {
31   "anonymous": false,
32   "inputs": [
33     {
34       "indexed": true,
35       "internalType": "address",
36       "name": "voter",
37       "type": "address"
38     },
39     {
40       "indexed": false,
41       "internalType": "uint256",
42       "name": "candidateIndex",
```

```
166 {
167   "internalType": "uint256",
168   "name": "",
169   "type": "uint256"
170 },
171 ],
172 "stateMutability": "view",
173 "type": "function"
174 }
175 ]
176
177 if (!window.ethereum) {
178   alert("Meta Mask Not Found")
179   window.open("https://metamask.io/download/")
180 }
181
182 export const provider = new ethers.providers.Web3Provider(window.ethereum);
183 export const signer = provider.getSigner();
184 export const address = "0xD52c1b477B872d5A9cA2f736908a14334d008Cce0";
185
186 export const contract = new ethers.Contract(address, abi, signer);
187
```

```
Node.js
Welcome to Node.js v20.8.0.
Type ".help" for more information.
> npm install
npm should be run outside of the Node.js REPL, in your normal shell.
(Press Ctrl+D to exit.)
> npm install bootstrap
npm should be run outside of the Node.js REPL, in your normal shell.
(Press Ctrl+D to exit.)
> npm run
npm should be run outside of the Node.js REPL, in your normal shell.
(Press Ctrl+D to exit.)
> npm start
npm should be run outside of the Node.js REPL, in your normal shell.
(Press Ctrl+D to exit.)
>
```

Node.js

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remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

DEPLOY & RUN TRANSACTIONS

ACCOUNT 0x2ff...d784c (0.198114844)

GAS LIMIT 3000000

VALUE 0 Wei

CONTRACT Storage - contracts/1_Storage.sol

Deploy

Publish to IPFS

At Address Load contract from Address

Transactions recorded

Deployed Contracts

- STORAGE AT 0X9F2...87F0B (BLO)
- STORAGE AT 0X352...1064A (BLO)
- STORAGE AT 0X911...AC35D (BLO)
- STORAGE AT 0XB46...14AF4 (BLO)
- STORAGE AT 0XC19...82321 (BLO)

```
1 // SPDX-License-Identifier: GPL-3.0
2
3 pragma solidity >=0.8.2 <0.9.0;
4
5 /**
6  * @title Storage
7  * @dev Store & retrieve value in a variable
8  * @custom:dev-run-script ./scripts/deploy_with_ethers.ts
9  */
10
11 contract Storage {
12     uint256 number;
13
14     /**
15      * @dev Store value in variable
16      * @param num value to store
17      */
18     function store(uint256 num) public {
19         number = num;
20     }
21
22     /**
23      * @dev Return value
24      * @return value of 'number'
25      */
26     function retrieve() public view returns (uint256) {
27         return number;
28     }
29 }
```

Account 0x2ff...d784c

0.1981 MATIC

\$0.12 USD

Buy & Sell Send Swap Bridge Portfolio

Tokens NFTs Activity

Oct 28, 2023

Contract ... -0 MATIC -0.00 USD

Contract ... -0 MATIC -0.00 USD

Contract ... -0 MATIC -0.00 USD

[block:41729454 txIndex:0] from: 0x2ff...d784c to: Storage.(constructor) value: 0 wei data: 0x688...20033 logs: 0 hash: 0xddb...0e9ae creation of Storage pending...

[block:41729512 txIndex:2] from: 0x2ff...d784c to: Storage.(constructor) value: 0 wei data: 0x688...20033 logs: 0 hash: 0x63d...029de creation of Storage pending...

22°C Mostly cloudy

07:26 28-10-2023

