

Cryptocurrencies & Blockchain – Lab Assignment-6

- Develop an Election contract using solidity programming. Create a struct called Candidate, the struct members are ID, name and the vote-count. The smart contract should have the functions like **addcandidate**, **show-candidates**, **vote**, **candidates-count** and **the voters** function to verify the status of the casted vote using the Ethereum account address. Further, compile the contract and deploy to the personal Blockchain network using Ganache.
- Write a smart contract in solidity to creating a mapping, adding to the mapping, and getting from mapping using Ethereum address. Compile and deploy the solidity mapping contract into the Ethereum blockchain (Ganache).

Ganache: <https://www.trufflesuite.com/ganache>