Example 1 Full Interaction session in truffle console  
  
  
Reset and Migrate

Truffle migrate - -reset  
  
1: Open Truffle Console

Truffle console

2: Check All Deployed Contracsts  
  
let deployedContracts = await artifacts.require("Voting");

console.log(deployedContracts);

3 Get Deployed Contract Instance:

const Voting = await artifacts.require("Voting").deployed();

console.log(Voting);

4 Add Candidates  
  
await Voting.addCandidate("Alice", {from: web3.eth.accounts[0]});

await Voting.addCandidate("Bob", {from: web3.eth.accounts[0]})

5 Vote For Candidates  
  
await Voting.vote(1, {from: web3.eth.accounts[1]});

await Voting.vote(2, {from: web3.eth.accounts[2]});

6 View Results  
  
let candidate1 = await Voting.getCandidate(1);

let candidate2 = await Voting.getCandidate(2);

console.log(Candidate 1: ${candidate1[1]} has ${candidate1[2].toString()} votes);

console.log(Candidate 2: ${candidate2[1]} has ${candidate2[2].toString()} votes);

For Adding Candidate we need “owner account” for this purpose :

const Voting = await artifacts.require("Voting").deployed();

const owner = await Voting.owner();

console.log(owner);

Example 2: Full Interaction Session in Truffle Console  
  
1: Open Truffle Console

Truffle console

2: Get Deployed Contract Instance

const Voting = await artifacts.require("Voting").deployed();

3: Retrieve owner address

const owner = await Voting.owner();

console.log(Owner Address: ${owner});

4 List Available Accounts:  
  
const accounts = await web3.eth.getAccounts();

console.log(Available Accounts: ${accounts});

5 Ensure Calling addCandidate from Owner account:  
  
// Assuming owner is accounts[0]

await Voting.addCandidate("Alice", {from: accounts[0]});

await Voting.addCandidate("Bob", {from: accounts[0]});

6 Vote for candidates:  
  
await Voting.vote(1, {from: accounts[1]});

await Voting.vote(2, {from: accounts[2]});

7 View Results:  
  
let candidate1 = await Voting.getCandidate(1);

let candidate2 = await Voting.getCandidate(2);

console.log(Candidate 1: ${candidate1[1]} has ${candidate1[2].toString()} votes);

console.log(Candidate 2: ${candidate2[1]} has ${candidate2[2].toString()} votes);