Step 1: Install node.js

Step 2: Install truffle

Step 3: create project directory: $mkdir projectdir

Step 4: initialize blockchain project using: $truffle init // create project structure

Step 5: create dependencies file (package.json)

Step 6: Update truffle-config for network settings

Step 7: Make a new contract in projectdir/contracts/ as newContract.sol

Note: Use contract name same as file name

Step 8: Compile contract to check for errors: $ truffle compile

Step 9: Make migration file for the new contract in projectdir/migrations/ as 2\_deploy\_conract.js

Note: Better to number the migrations file as they are executed in order.

Step 10: Download and install ganache package. Run it to create local network.

Step 11: Update the network details in truffle-config file for the local network i.e., port, network ID,..

Step 12: Migrate contract to the local network: $ truffle migrate

Step 13: Open truffle to interact with the local network nodes and contract : $truffle console

$accounts = await web3.eth.getAccounts() //get all account in network

$ blockNumber = await web3.eth.getBlockNumber() //get current active block number

Step 13 : create unit test case for the contract in projectdir/test/ as contract.test.js for each contract and function.

Step 14: Test the contract using test file : $ truffle test