In Terminal1
we change directory path to where lab3 is (cd lab3)
we run the geth commands
>geth --datadir bkc_data init ~/lab3/genesis.json (createsa database that uses the genesis block
>geth --datadir bkc_data --networkid 89992018 --bootnodes enode://d3cd4e70fe7ad1dd7fb23539c53982e42816b4218cc370e8af13945f7b5e2b4a288f8b949dbdba6a998c9141266a0df61523de74490c91fc1e3d538b299bb8ab@128.230.208.73:30301 console 2>console.log
We get into the geth console
we add peer node using
>admin.addPeer("enode://d2547d500b1e982ac93a6ce1dbf34cff6545987740313373ccecb28e095c6ce4294e5cf4be2f002672d30fb717b8bd05e1a12163b24743b907bb7d2c37415928@[128.230.208.73]:30303")
We check for the connectivity
>admin.peers
We enable RPC using
>admin.startRPC()
We unlock our personal accounts
>personal.unlockAccounts(eth.accounts[0])
this will prompt for passphrase

In a separate terminal Terminal2
We install node.js using
>sudo apt install curl
>curl -sL https://deb.nodesource.com/setup_8.x | sudo bash -
>sudo apt install nodejs
Once we are connected to the Ethereum network (done in the previous terminal, Terminal1). We install the web3 module
>npm install web3@^0.20.0
Now we create a file SDFC_lab.js in our currently working directory lab3 folder and run the program
>nodejs SDFC_lab.js
which will prompt for username and password