## Instructions to Start the BlockChain And Deploying the smart contract

1. Open two sessions, one for Geth and another for truffle commands.
2. On Geth session, go to the home directory

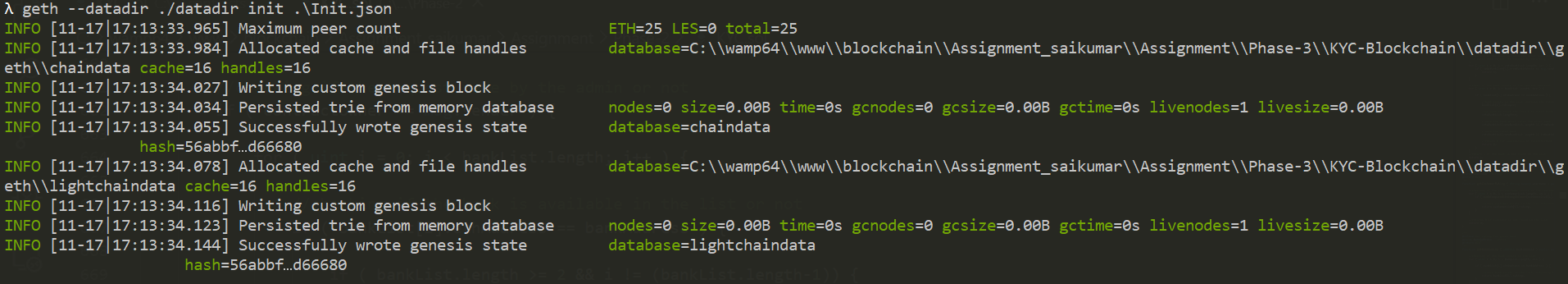
ex: cd /home/chvss/

And create test directory in it with mkdir test

Place the Init.json file and run the below command to create genisis block

geth --datadir ./datadir init Init.json

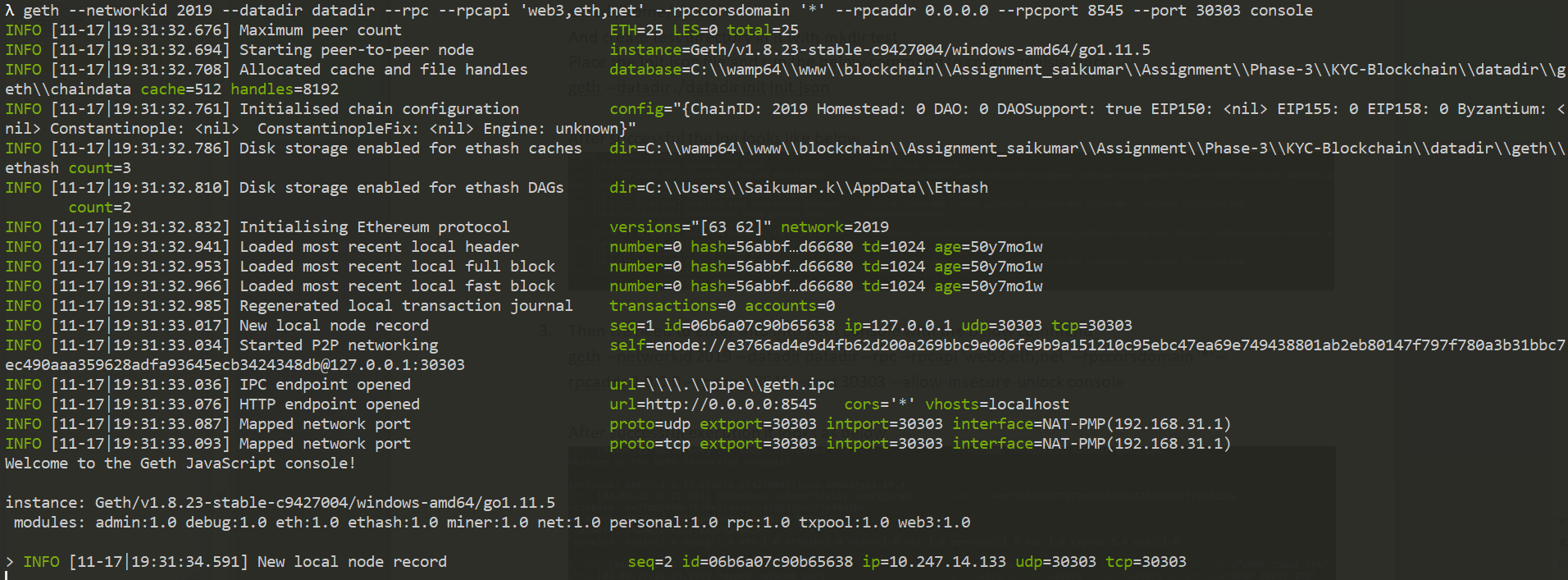
After successful the log looks like below



1. Then we need to enter into into geth console with the below command

geth --networkid 2019 --datadir datadir --rpc --rpcapi 'web3,eth,net' --rpccorsdomain '\*' --rpcaddr 0.0.0.0 --rpcport 8545 --port 30303 --allow-insecure-unlock console

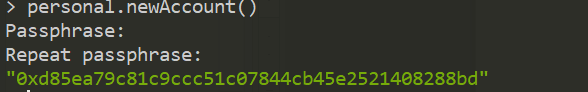
After successful execution it looks as below



1. We need to create the account with the following command

personal.newAccount()

After successful execution it looks as below



1. Unlock it with the password

personal.unlockAccount(eth.accounts[0],"password")

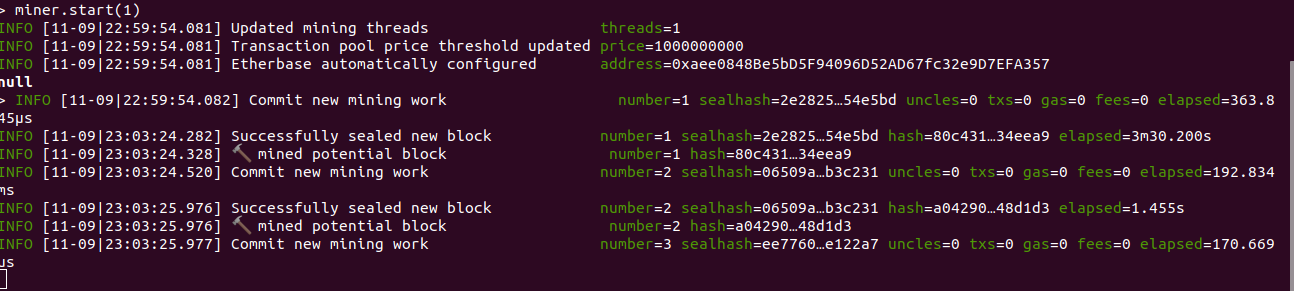
After successful execution it looks as below



1. Start the miner to have account balance

miner.start(1)

After successful execution it looks as below



1. After few blocks added and generated the ethash verification code, stop the mining

miner.stop()



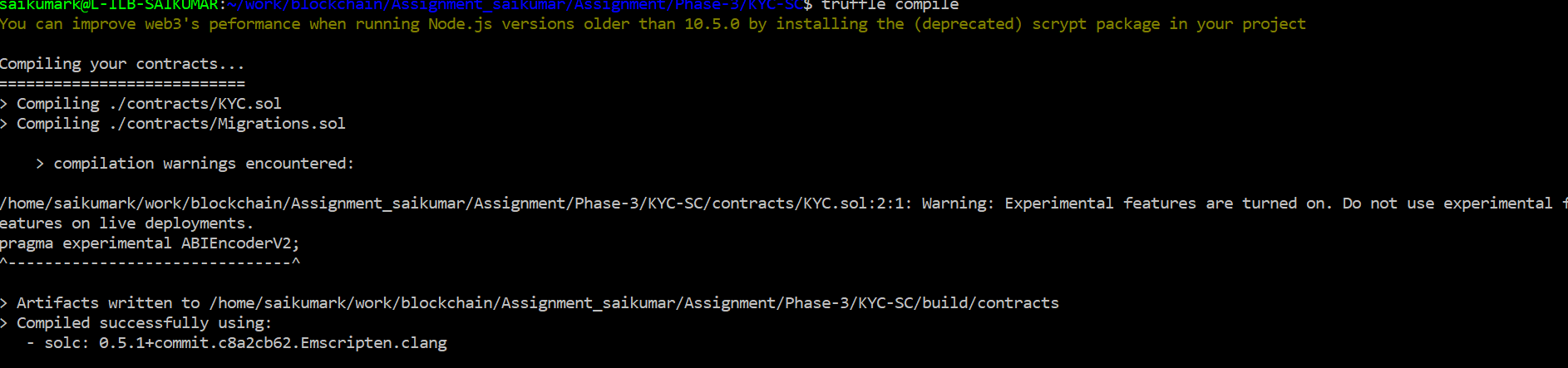
1. Go to other session and create new folder as KYC-SC and execute ‘truffle init’ command. Which will create below set of folders and file.

contracts migrations test truffle-config.js

1. Copy KYC.sol file under contracts and proceed with next step.
2. Execute the below command to compile contract

**truffle compile**

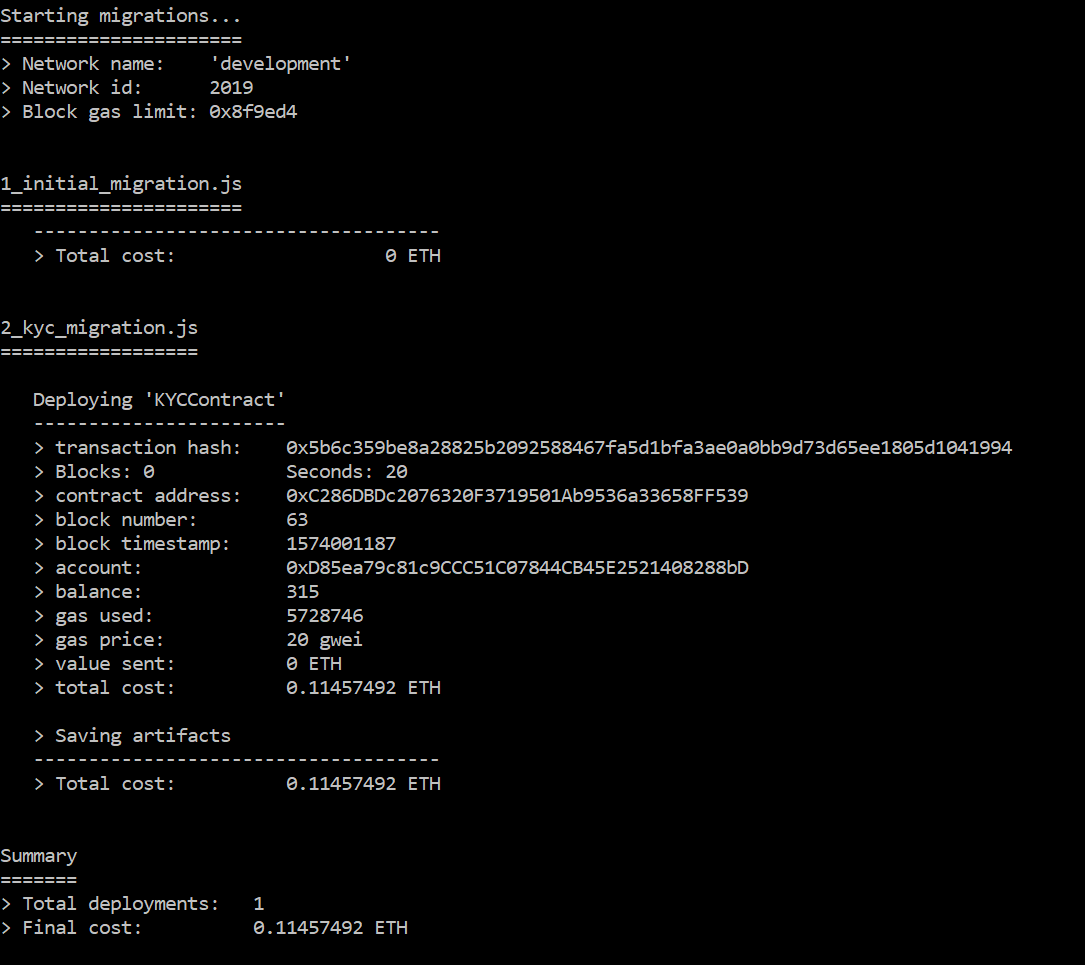
After successful execution it looks as below



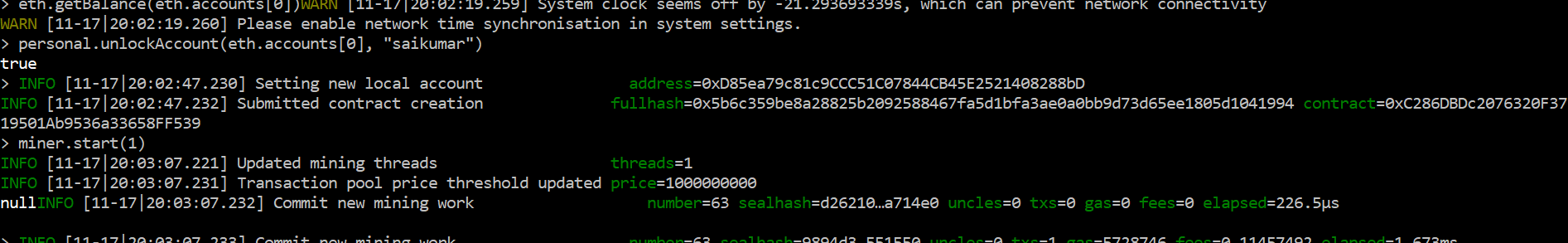
1. To deploy deploy the contract on blockchain use the below command

**truffle migrate --network development**

After successful execution it looks as below on the current session.



1. On Geth seesion after deploying the contract is as below. We can find the message as “Submitted contract creation”.



1. Exit from the geth session by executing “exit” command