Assuming TRUFFLE and GETH-CLI are installed.

1. Build and start Etherum Private Network.
2. cd < path to: *KYC-Blcockchain/ >* (Path of the folder which is submitted)
3. Using *init.json as genesis block,* create a network and a new block,need to issue the following command

* *geth --datadir ./datadir init ./init.json*

1. To create network with network id in *truffle\_conifg.js (network\_id: 20213)*

* *geth --datadir ./datadir/ --networkid 20213 console (Port is 30303 or default)*

1. Two accounts are created in the network as

* *personal.newAccount(‘sharada’)*

*password : fe0f0a9829554b241bd62d335544eb54b495ef71*

* *personal.newAccount(‘abhijeet’)*

*password: efd89299d238e206a9814faf243df19b614ac0b5*

1. Check the coinbase for your private network.

* *Eth.coinbase*

1. Start the mining process from the account. It shows mining process has started and number of block mined.

* *miner.start()*

1. To Stop the mining

* *miner.stop()*

1. Send ethers in trnasaction from one account to another.

* *eth.sendTransaction({from: eth.accounts[1], to: eth.accounts[0], value: web3.toWei(10, “ethers”)})*

1. *Rerun and unlock the account*

* *personal.unlockAccount(‘abhijeet’, ‘efd89299d238e206a9814faf243df19b614ac0b5’)*

1. Create Truffle Project
   1. In command prompt: cd *path: KYC-SC folder (* truffle project, smart contracts and migration files are included)
   2. Compile truffle project using: >> *truffle compile*
   3. In another terminal >> cd < *path to KYC-Blockchain*>
   4. Start the private ethereum network and allow *http* access using –rpc flag

>> *geth --datadir ./datadir --networkid 2019 --rpc --rpcport 30303 --allow-insecure-unlock console*

* 1. Unlock the first account that truffle will access to deploy

>> *personal.unlockAccount(‘sharada’, ‘fe0f0a9829554b241bd62d335544eb54b495ef71 ‘, 0)*

* 1. Start the mning process >> *miner.start()*
  2. Go to first terminal with the truffle project and deploy the project using command :

>> *truffle migrate –network geth*

* 1. To access the contract run truffle console

>> *truffle console –network geth*

* 1. Access the deployed contract methods by
  2. let kyc = KYC.deployed()
  3. kyc.<methods> to access methods:
     1. addBank()
     2. addCustomer()
     3. viewBank()
     4. viewCustomer()
     5. requestKYC()
     6. KYCVerify()
     7. Upvotes()
     8. Downvotes()
     9. getComplaintsRecord()
     10. removeBank()
     11. etc