Graphical user interface, text

Description automatically generated

**Lesson 1 Demo 8**

**Access Chaincode Functions**

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| **Objective:** To access chaincode functions  **Tools required:** Ubuntu  **Prerequisites:** Lesson 1 Demo 7 |

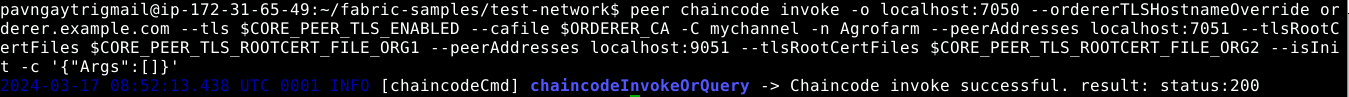
Steps to be followed:

1. Accessing the chaincode functions from Org1

**Step 1: Accessing the chaincode functions from Org1**

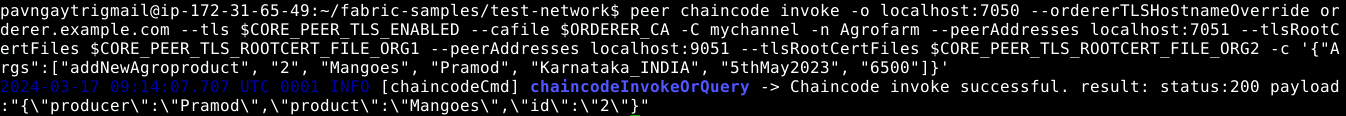
1. Invoke the **Init** function using the following command:

***peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE\_PEER\_TLS\_ENABLED --cafile $ORDERER\_CA -C mychannel -n Agrofarm --peerAddresses localhost:7051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG2 --isInit -c '{"Args":[]}'***



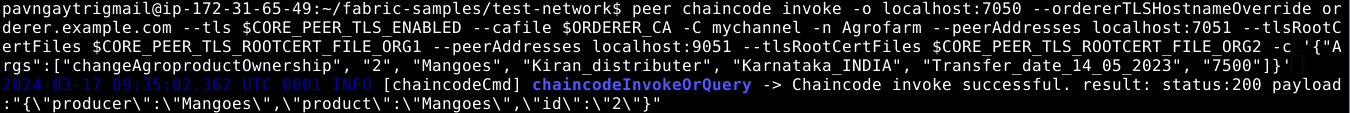
1. Invoke the **addNewAgroproduct** function using the following command:

***peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE\_PEER\_TLS\_ENABLED --cafile $ORDERER\_CA -C mychannel -n Agrofarm --peerAddresses localhost:7051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG2 -c '{"Args":["addNewAgroproduct", "2", "Mangoes", "Pramod", "Karnataka\_INDIA", "10\_05\_2023", "6500"]}'***



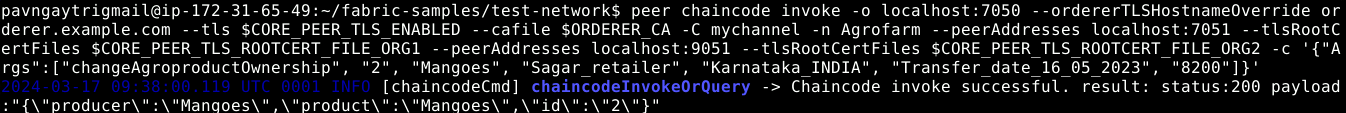
1. Invoke the **Transfer Agroproduct from Producer To Distributer** function using the following command:

***peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE\_PEER\_TLS\_ENABLED --cafile $ORDERER\_CA -C mychannel -n Agrofarm --peerAddresses localhost:7051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG2 -c '{"Args":["changeAgroproductOwnership", "2", "Mangoes", "Kiran\_distributer", "Karnataka\_INDIA", "Transfer\_date\_14\_05\_2023", "7500"]}'***

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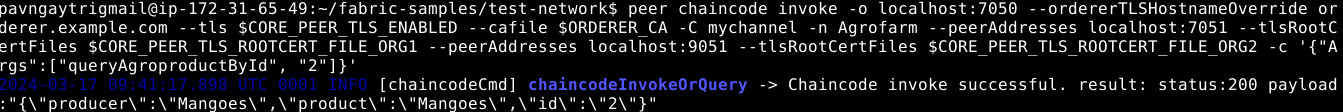
1. Invoke the **Transfer Agroproduct from Distributer To Retailer** function using the following command:

***peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE\_PEER\_TLS\_ENABLED --cafile $ORDERER\_CA -C mychannel -n Agrofarm --peerAddresses localhost:7051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG2 -c '{"Args":["changeAgroproductOwnership", "2", "Mangoes", "Sagar\_retailer", "Karnataka\_INDIA", "Transfer\_date\_16\_05\_2023", "8200"]}***'



1. Invoke the **queryAgroproductTransactionsById** function using the following command:

***peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE\_PEER\_TLS\_ENABLED --cafile $ORDERER\_CA -C mychannel -n Agrofarm --peerAddresses localhost:7051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE\_PEER\_TLS\_ROOTCERT\_FILE\_ORG2 -c '{"Args":["queryAgroproductTransactionsById", "2"]}'***

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The chaincode functions is now accessed from Org1.