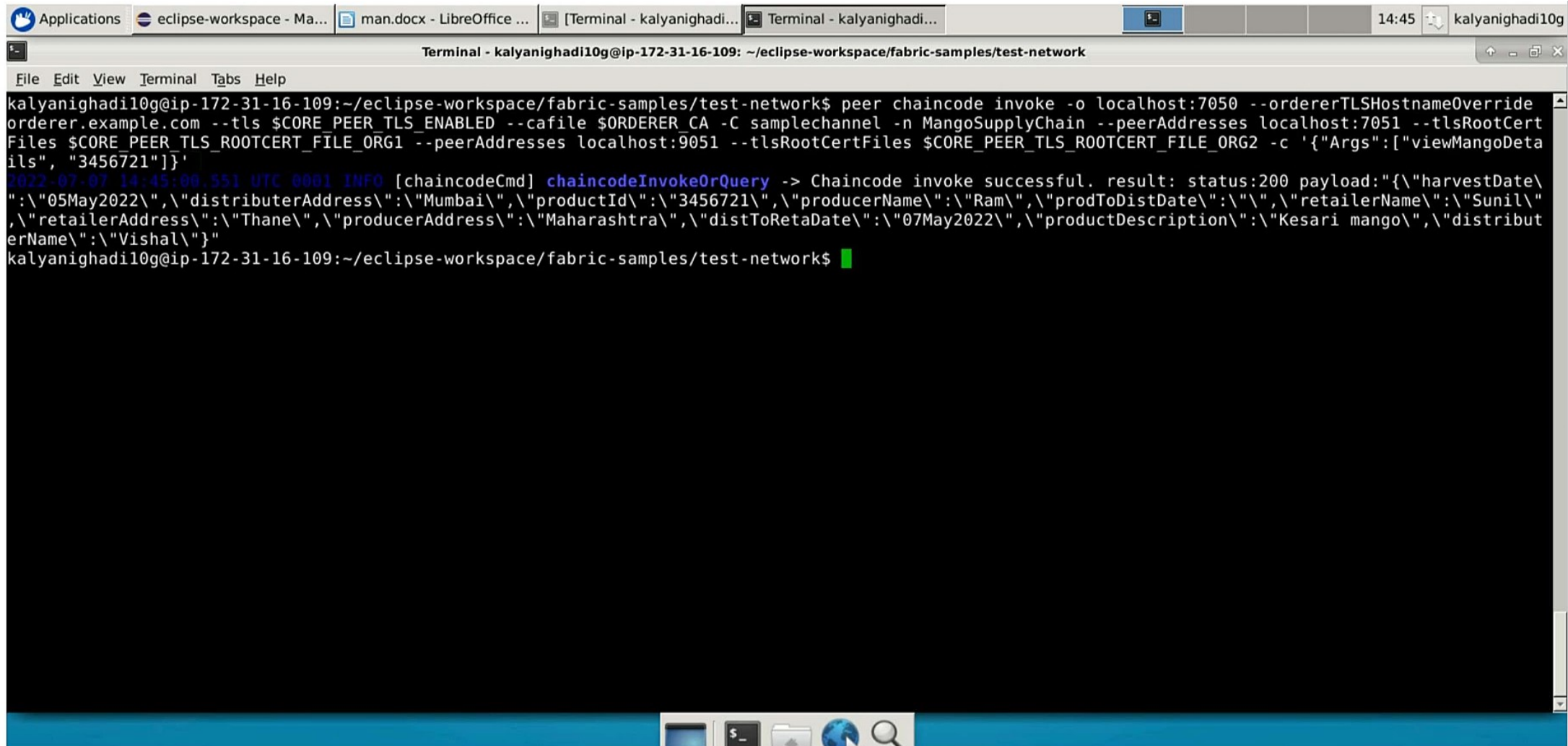


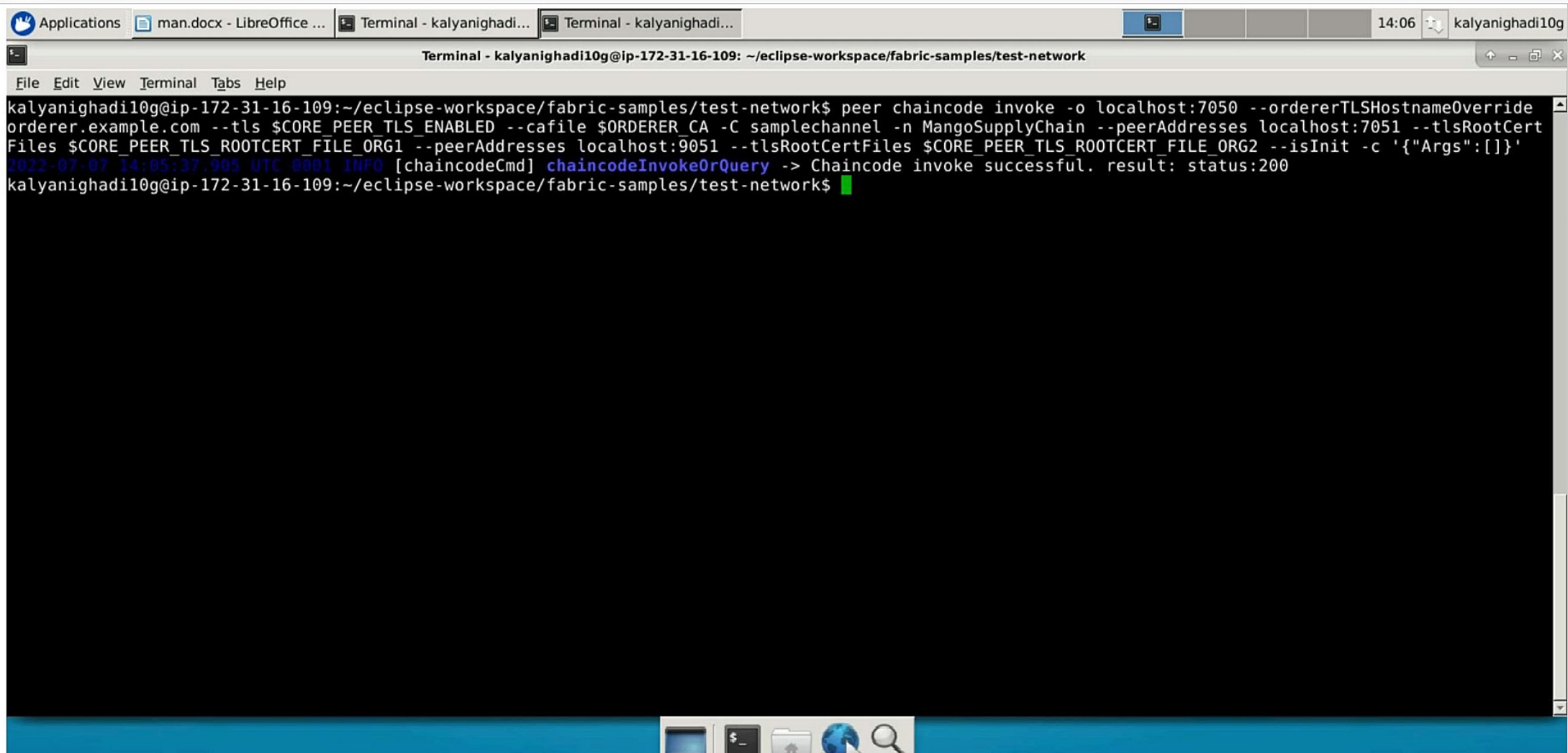
View Mango product details from the ledger :



The screenshot shows a Linux desktop with a terminal window open. The terminal title is "Terminal - kalyanighadi10g@ip-172-31-16-109: ~/eclipse-workspace/fabric-samples/test-network". The terminal content shows a successful chaincode invoke command. The command is: `peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -n MangoSupplyChain --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 -c '{"Args":["viewMangoDetails", "3456721"]}'`. The output is: `2022-07-07 14:45:00.551 UTC 0001 INFO [chaincodeCmd] chaincodeInvokeOrQuery -> Chaincode invoke successful. result: status:200 payload:"{"harvestDate\\":\\"05May2022\\",\\"distributerAddress\\":\\"Mumbai\\",\\"productId\\":\\"3456721\\",\\"producerName\\":\\"Ram\\",\\"prodToDistDate\\":\\"\\",\\"retailerName\\":\\"Sunil\\",\\"retailerAddress\\":\\"Thane\\",\\"producerAddress\\":\\"Maharashtra\\",\\"distToRetaDate\\":\\"07May2022\\",\\"productDescription\\":\\"Kesari mango\\",\\"distributerName\\":\\"Vishal\\"}"`. The terminal prompt is `kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$`. The desktop background is blue, and the taskbar at the bottom shows icons for a terminal, a file manager, a web browser, and a search icon.

```
kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$ peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -n MangoSupplyChain --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 -c '{"Args":["viewMangoDetails", "3456721"]}'
2022-07-07 14:45:00.551 UTC 0001 INFO [chaincodeCmd] chaincodeInvokeOrQuery -> Chaincode invoke successful. result: status:200 payload:"{"harvestDate\\":\\"05May2022\\",\\"distributerAddress\\":\\"Mumbai\\",\\"productId\\":\\"3456721\\",\\"producerName\\":\\"Ram\\",\\"prodToDistDate\\":\\"\\",\\"retailerName\\":\\"Sunil\\",\\"retailerAddress\\":\\"Thane\\",\\"producerAddress\\":\\"Maharashtra\\",\\"distToRetaDate\\":\\"07May2022\\",\\"productDescription\\":\\"Kesari mango\\",\\"distributerName\\":\\"Vishal\\"}"
kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$
```

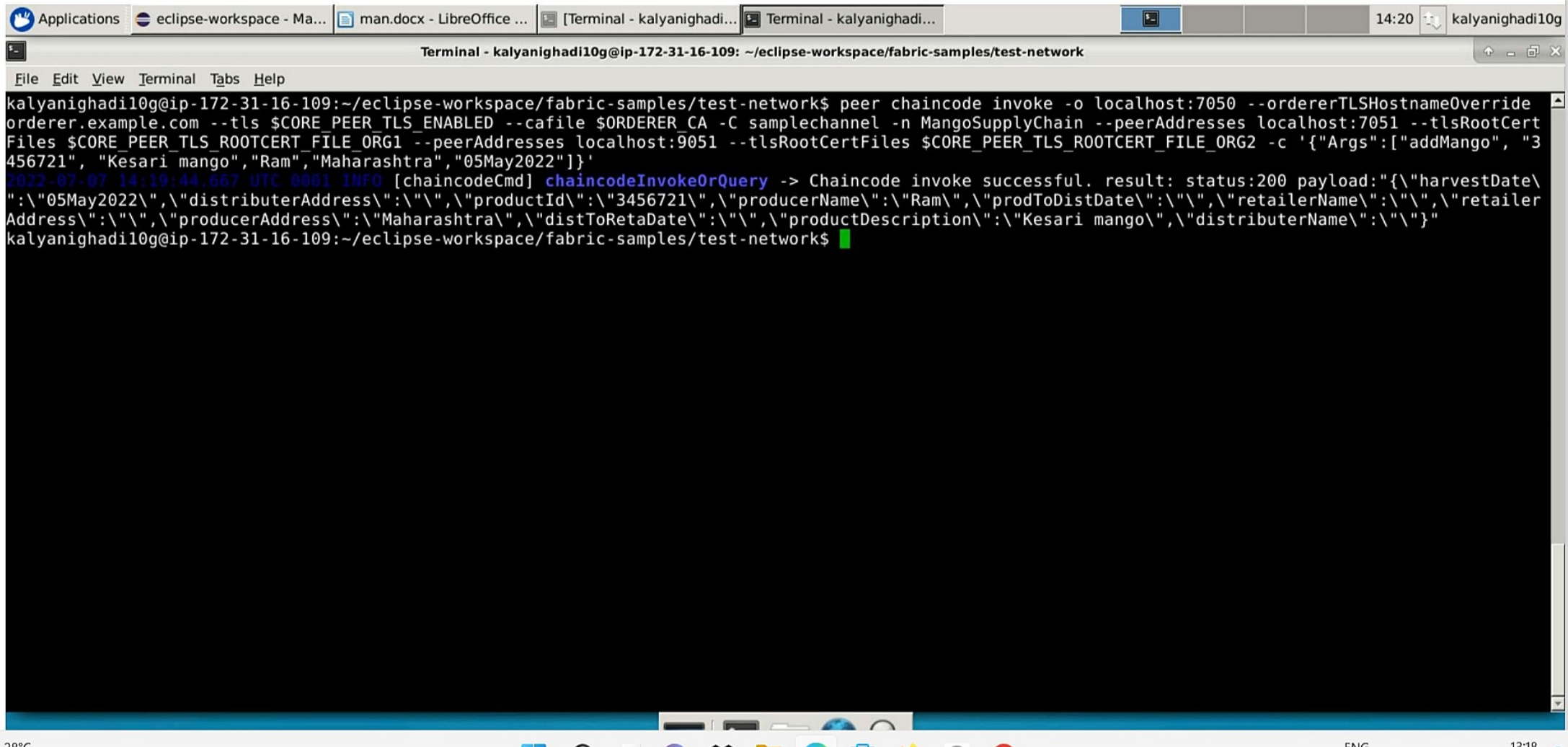
Initilize the ledger with one entry :



The screenshot shows a Linux desktop with a terminal window open. The terminal title is "Terminal - kalyanighadi10g@ip-172-31-16-109: ~/eclipse-workspace/fabric-samples/test-network". The terminal content shows a successful chaincode invoke command. The command is: `peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -n MangoSupplyChain --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 --isInit -c '{"Args":[]}'`. The output is: `2022-07-07 14:05:37.905 UTC 0001 INFO [chaincodeCmd] chaincodeInvokeOrQuery -> Chaincode invoke successful. result: status:200`. The terminal prompt is `kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$`. The desktop background is blue, and the taskbar at the bottom shows icons for a terminal, a file manager, and a search icon.

```
kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$ peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -n MangoSupplyChain --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 --isInit -c '{"Args":[]}'
2022-07-07 14:05:37.905 UTC 0001 INFO [chaincodeCmd] chaincodeInvokeOrQuery -> Chaincode invoke successful. result: status:200
kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$
```

Add new product(Mango) to the ledger :

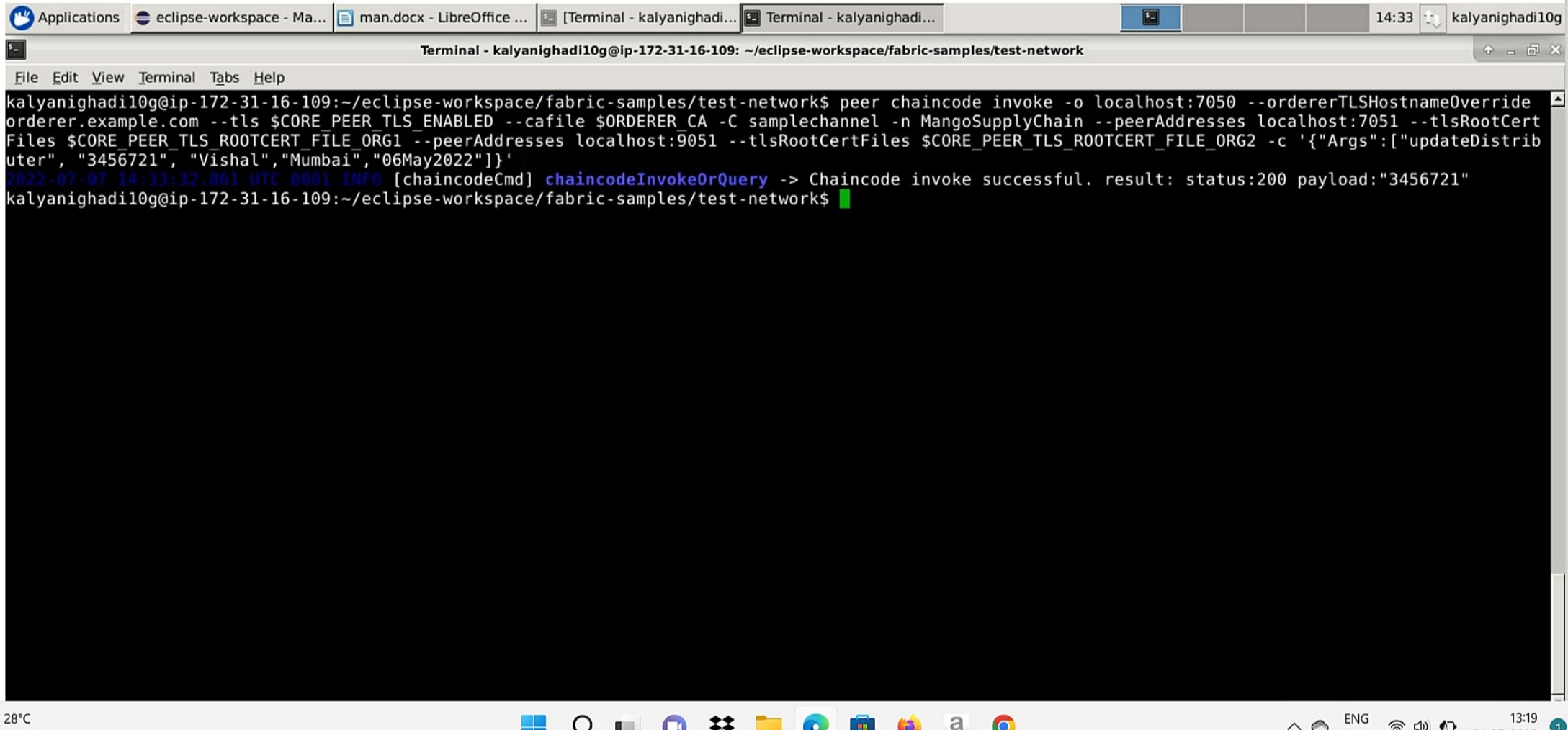


The screenshot shows a terminal window with the following content:

```
kalyanighadi10g@ip-172-31-16-109: ~/eclipse-workspace/fabric-samples/test-network$ peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -n MangoSupplyChain --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 -c '{"Args":["addMango", "3456721", "Kesari mango", "Ram", "Maharashtra", "05May2022"]}'
2022-07-07 14:19:44.867 UTC 0001 INFO [chaincodeCmd] chaincodeInvokeOrQuery -> Chaincode invoke successful. result: status:200 payload:"{\\\"harvestDate\\\":\\\"05May2022\\\",\\\"distributerAddress\\\":\\\"\\\",\\\"productId\\\":\\\"3456721\\\",\\\"producerName\\\":\\\"Ram\\\",\\\"prodToDistDate\\\":\\\"\\\",\\\"retailerName\\\":\\\"\\\",\\\"retailerAddress\\\":\\\"\\\",\\\"producerAddress\\\":\\\"Maharashtra\\\",\\\"distToRetaDate\\\":\\\"\\\",\\\"productDescription\\\":\\\"Kesari mango\\\",\\\"distributerName\\\":\\\"\\\"}"
kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$
```

The terminal window has a title bar with tabs for 'Applications', 'eclipse-workspace - Ma...', 'man.docx - LibreOffice ...', '[Terminal - kalyanighadi10g@ip-172-31-16-109: ~/eclipse-workspace/fabric-samples/test-network]', and 'Terminal - kalyanighadi10g@ip-172-31-16-109: ~/eclipse-workspace/fabric-samples/test-network'. The status bar at the bottom shows '20°C', 'ENC', and '12:18'.

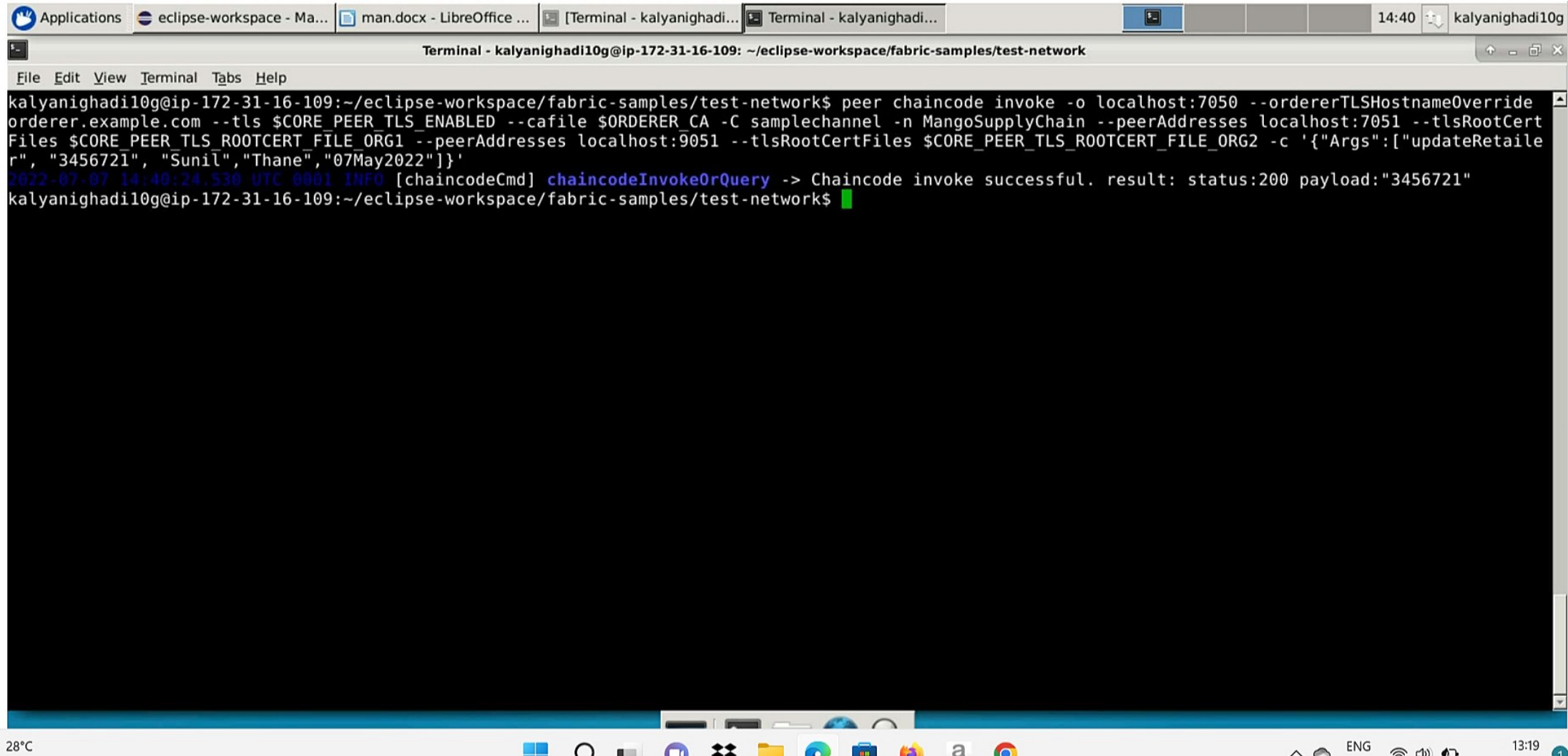
Transfer Mango Ownership to distributor from producer :



The screenshot shows a Linux desktop environment with a terminal window open. The terminal title is "Terminal - kalyanighadi10g@ip-172-31-16-109: ~/eclipse-workspace/fabric-samples/test-network". The terminal content shows a command to invoke a chaincode on a peer, followed by a log message indicating success. The command is: `peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -n MangoSupplyChain --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 -c '{"Args":["updateDistributor", "3456721", "Vishal","Mumbai","06May2022"]}'`. The log message is: `2022-07-07 14:33:32.861 UTC 0001 INFO [chaincodeCmd] chaincodeInvokeOrQuery -> Chaincode invoke successful. result: status:200 payload:"3456721"`. The terminal prompt is `kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$`. The desktop background is dark, and the taskbar at the bottom shows various application icons and system status indicators like temperature (28°C) and time (13:19).

```
kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$ peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -n MangoSupplyChain --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 -c '{"Args":["updateDistributor", "3456721", "Vishal","Mumbai","06May2022"]}'
2022-07-07 14:33:32.861 UTC 0001 INFO [chaincodeCmd] chaincodeInvokeOrQuery -> Chaincode invoke successful. result: status:200 payload:"3456721"
kalyanighadi10g@ip-172-31-16-109:~/eclipse-workspace/fabric-samples/test-network$
```

Transfer Mango Ownership to retailer from distributor :



The screenshot shows a Linux desktop environment with a terminal window open. The terminal title is "Terminal - kalyanighadi10g@ip-172-31-16-109: ~/eclipse-workspace/fabric-samples/test-network". The command executed is:

```
peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -n MangoSupplyChain --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 -c '{"Args":["updateRetailer", "3456721", "Sunil","Thane","07May2022"]}'
```

The output of the command is:

```
2022-07-07 14:40:24.530 UTC 8981 INFO [chaincodeCmd] chaincodeInvokeOrQuery -> Chaincode invoke successful. result: status:200 payload:"3456721"
```

The terminal window has a menu bar with "File", "Edit", "View", "Terminal", "Tabs", and "Help". The desktop background is blue, and the taskbar at the bottom shows various application icons and the system tray with the date and time "13:19".