Name: Raj K Patel Roll No: 20BCE218

Course: 2CSDE93 - Blockchain Technology

Practical No: 7

Aim: To perform a thorough study of blockchain development on Hyperledger

Fabric using Composer

```
./install-fabric.sh
                                                                               ×
echo $H₩
echo $HOME
/home/rajkp
- ~ cd
• ~ ls
Programming golib hadoop-3.3.2 hadoop-practicals sandbox vcpkg
dzsh: command not found: pw
- ~ pd
zsh: command not found: pd

    ~ pwd

/home/rajkp
Programming golib hadoop-3.3.2 hadoop-practicals sandbox vcpkg
cd Programming

    Programming 1s

                                                              compiler
                                                                                                    file-uploader go-backend kilo
                                                                                                                                                                                                                        mern raylib
advent-of-code-2022 dist-system go
                                                                                                                                                                                    letterboxd micro redis-from-scratch
                                                                                                                                                gocached

    Programming cd go

go ls
bin pkg src
go cd src
src ls
github.com
src cd github.com

    github.com cd imrraaj

• imrraaj ls
firstapp
imrraaj pwd
/home/rajkp/Programming/go/src/github.com/imrraaj
imrraaj $ curl -sSLO https://raw.githubusercontent.com/hyperledger/fabric/main/scripts/install-fa
zsh: command not found: $
• imrraaj curl -sSLO https://raw.githubusercontent.com/hyperledger/fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts/install-fabric/main/scripts
imrraaj ls
firstapp install-fabric.sh
```

```
./install-fabric.sh

    src cd github.com

    github.com cd imrraaj

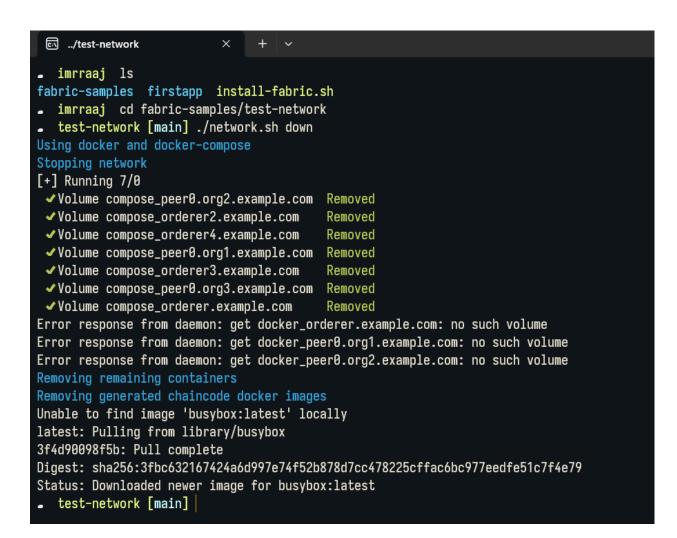
• imrraaj ls
firstapp

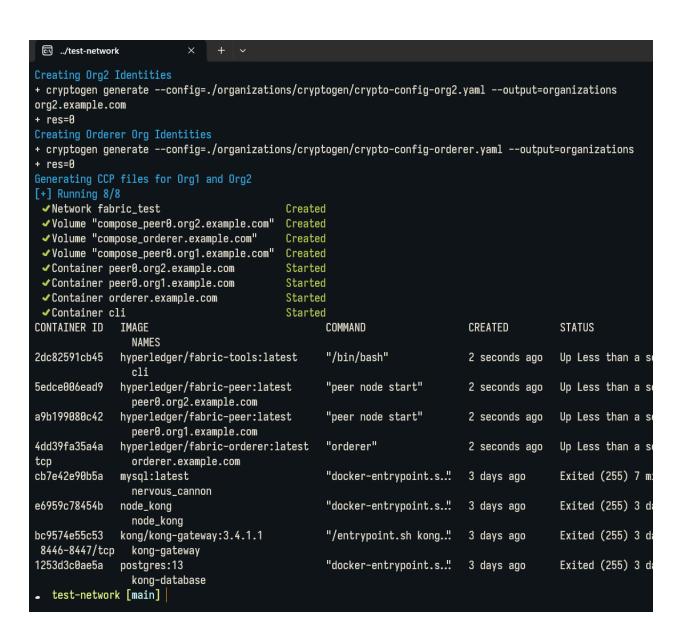
    imrraaj pwd

/home/rajkp/Programming/go/src/github.com/imrraaj
imrraaj $ curl -sSLO https://raw.githubusercontent.com/hyperledger/fabric/main/scripts/install-fabric.sh && chmod +x install-fabric.sh
zsh: command not found: $
• imrraaj curl -sSLO https://raw.githubusercontent.com/hyperledger/fabric/main/scripts/install-fabric.sh && chmod +x install-fabric.sh
• imrraaj ls
firstapp install-fabric.sh
▪ imrraaj ./install-fabric.sh
No options selected: Getting all samples, binaries, and docker images
Abort now if not the intention
Clone hyperledger/fabric-samples repo
⇒ Cloning hyperledger/fabric-samples repo
Cloning into 'fabric-samples'...
remote: Enumerating objects: 12991, done.
remote: Counting objects: 100% (1023/1023), done.
remote: Compressing objects: 100% (589/589), done.
remote: Total 12991 (delta 537), reused 733 (delta 383), pack-reused 11968
Receiving objects: 100% (12991/12991), 22.93 MiB | 1.62 MiB/s, done.
Resolving deltas: 100% (6991/6991), done.
fabric-samples v2.5.4 does not exist, defaulting to main. fabric-samples main branch is intended to work with recent versions of fabric.
Pull Hyperledger Fabric binaries
⇒ Downloading version 2.5.4 platform specific fabric binaries
⇒ Downloading: https://github.com/hyperledger/fabric/releases/download/v2.5.4/hyperledger-fabric-linux-amd64-2.5.4.tar.gz
⇒ Will unpack to: /home/rajkp/Programming/go/src/github.com/imrraaj/fabric-samples
 % Total
            % Received % Xferd Average Speed Time
                                                          Time
                                                                    Time Current
                                 Dload Upload Total Spent Left S
                                                                   Left Speed
       А
            0
                   0
                        0
                               0
                                                                               А
                               0 198k
 89 99.3M 89 88.7M 0
                                             0 0:08:33 0:07:38 0:00:55 280k
```

```
./install-fabric.sh
imrraaj ./install-fabric.sh
No options selected: Getting all samples, binaries, and docker images
Abort now if not the intention
Clone hyperledger/fabric-samples repo
⇒ Changing directory to fabric-samples
fabric-samples v2.5.4 does not exist, defaulting to main. fabric-samples main branch is intended
Pull Hyperledger Fabric binaries
⇒ Downloading version 2.5.4 platform specific fabric binaries
⇒ Downloading: https://github.com/hyperledger/fabric/releases/download/v2.5.4/hyperledger-fab
⇒ Will unpack to: /home/rajkp/Programming/go/src/github.com/imrraaj/fabric-samples
                                                                Time Current
            % Received % Xferd Average Speed
                                              Time
 % Total
                                                       Time
                                Dload Upload
                                                       Spent
                                                                Left Speed
       0
            0
                  0
                       0
                             0
                                    0
                                          0 --:--:--
                                966k
100 99.3M 100 99.3M
                             0
                                          0 0:01:45 0:01:45 --:-- 931k
\implies Done.
⇒ Downloading version 1.5.7 platform specific fabric-ca-client binary
⇒ Downloading: https://github.com/hyperledger/fabric-ca/releases/download/v1.5.7/hyperledger-
⇒ Will unpack to: /home/rajkp/Programming/go/src/github.com/imrraaj/fabric-samples
            % Received % Xferd Average Speed
 % Total
                                               Time
                                                       Time
                                                                Time Current
                                Dload Upload
                                               Total
                                                               Left Speed
                                                       Spent
       0
            0
                       0
                             0
                                          0 --:--:- 0:00:04 --:--:-
                                   0
100 34.0M
         100 34.0M
                             0 1308k
                                          0 0:00:26 0:00:26 --:-- 1613k
                       0
\implies Done.
Pull Hyperledger Fabric docker images
FABRIC_IMAGES: peer orderer ccenv tools baseos
⇒ Pulling fabric Images
⇒ docker.io/hyperledger/fabric-peer:2.5.4
2.5.4: Pulling from hyperledger/fabric-peer
01085d60b3a6: Pull complete
5920bb1ab585: Pull complete
```

```
..b.com/imrraaj
cc16ebc66c1e: Pull complete
cfb66da0a833: Pull complete
daa87923bf69: Pull complete
Digest: sha256:cab2ed27ed8d27e4cacde447a1de51884f0bd9e103a6119e74521e1b90b6d106
Status: Downloaded newer image for hyperledger/fabric-baseos:2.5.4
docker.io/hyperledger/fabric-baseos:2.5.4
⇒ Pulling fabric ca Image
  ⇒ docker.io/hyperledger/fabric-ca:1.5.7
1.5.7: Pulling from hyperledger/fabric-ca
edaedc954fb5: Pull complete
793f509072c1: Pull complete
40231dd4f3a4: Pull complete
5799c17ab94e: Pull complete
Digest: sha256:db814e013fc29f94f75a5df6e3920c08a4e96e53a079152df2ffa99e6db24861
Status: Downloaded newer image for hyperledger/fabric-ca:1.5.7
docker.io/hyperledger/fabric-ca:1.5.7
⇒ List out hyperledger images
hyperledger/fabric-ca
                               1.5
                                              0f07bbee6fb8
                                                              2 months ago
                                                                              223MB
                               1.5.7
hyperledger/fabric-ca
                                              0f07bbee6fb8
                                                              2 months ago
                                                                              223MB
hyperledger/fabric-ca
                               latest
                                              0f07bbee6fb8
                                                              2 months ago
                                                                              223MB
hyperledger/fabric-tools
                               2.5
                                              b2f3af4021be
                                                              3 months ago
                                                                              551MB
hyperledger/fabric-tools
                               2.5.4
                                              b2f3af4021be
                                                                              551MB
                                                              3 months ago
hyperledger/fabric-tools
                               latest
                                              b2f3af4021be
                                                              3 months ago
                                                                              551MB
hyperledger/fabric-peer
                               2.5
                                              4f8d1b54d8b0
                                                              3 months ago
                                                                              135MB
                               2.5.4
                                                                              135MB
hyperledger/fabric-peer
                                              4f8d1b54d8b0
                                                              3 months ago
hyperledger/fabric-peer
                               latest
                                                              3 months ago
                                                                              135MB
                                              4f8d1b54d8b0
hyperledger/fabric-orderer
                               2.5
                                              7a73187b5c49
                                                              3 months ago
                                                                              106MB
                               2.5.4
hyperledger/fabric-orderer
                                                                              106MB
                                               7a73187b5c49
                                                              3 months ago
hyperledger/fabric-orderer
                               latest
                                               7a73187b5c49
                                                              3 months ago
                                                                              106MB
hyperledger/fabric-ccenv
                               2.5
                                               6dac93f94c87
                                                              3 months ago
                                                                              656MB
hyperledger/fabric-ccenv
                               2.5.4
                                              6dac93f94c87
                                                              3 months ago
                                                                              656MB
hyperledger/fabric-ccenv
                               latest
                                              6dac93f94c87
                                                              3 months ago
                                                                              656MB
hyperledger/fabric-baseos
                               2.5
                                              3854817b987d
                                                              3 months ago
                                                                              122MB
                               2.5.4
hyperledger/fabric-baseos
                                              3854817b987d
                                                              3 months ago
                                                                              122MB
hyperledger/fabric-baseos
                                              3854817b987d
                                                              3 months ago
                                                                              122MB
                               latest
imrraaj
```





```
ি ./network.sh
  test-network [main] ./network.sh createChannel
Using docker and docker-compose
Creating channel 'mychannel'.
If network is not up, starting nodes with CLI timeout of '5' tries and CLI delay of '3' seconds and using database 'leveldb
Network Running Already
Using docker and docker-compose
Generating channel genesis block 'mychannel.block'
Using organization '
/home/rajkp/Programming/go/src/github.com/imrraaj/fabric-samples/test-network/../bin/configtxgen
+ '[' 0 -eq 1 ']'
+ configtxgen -profile ChannelUsingRaft -outputBlock ./channel-artifacts/mychannel.block -channelID mychannel
2023-11-07 11:36:05.844 IST 0001 INFO [common.tools.configtxgen] main → Loading configuration
2023-11-07 11:36:05.851 IST 0002 INFO [common.tools.configtxgen.localconfig] completeInitialization → orderer type: etcdraft
2023-11-07 11:36:05.851 IST 0003 INFO [common.tools.configtxgen.localconfig] completeInitialization → Orderer.EtcdRaft.Options unset
rtbeat_tick:1 max_inflight_blocks:5 snapshot_interval_size:16777216
2023-11-07 11:36:05.851 IST 0004 INFO [common.tools.configtxgen.localconfig] Load → Loaded configuration: /home/rajkp/Programming/gd
figtx/configtx.yaml
2023-11-07 11:36:05.854 IST 0005 INFO [common.tools.configtxgen] doOutputBlock \rightarrow Generating genesis block
2023-11-07 11:36:05.854 IST 0006 INFO [common.tools.configtxgen] doOutputBlock → Creating application channel genesis block 2023-11-07 11:36:05.855 IST 0007 INFO [common.tools.configtxgen] doOutputBlock → Writing genesis block
+ res=0
Adding orderers
+ . scripts/orderer.sh mychannel
+ '[' 0 -eq 1 ']'
+ res=0
Status: 201
        "name": "mychannel",
        "url": "/participation/v1/channels/mychannel",
        "consensusRelation": "consenter",
        "status": "active",
        "height": 1
Channel 'mychannel' created
```

```
Fathing the mask recent configuration block for the channel

reper channel from config ording block ph —a ordere remails com/1898 —ordereTisticstameOverride orderer.exemple.com -c mychannel —tls —cefile /opt/gopath/src/github.com/hyperledger/
reper channel from config ording block ph —a ordere remails com/cert.pam

2022-11-07 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2015) 1801 (2
```

```
    test-network [main]
    test-network [main] ./network.sh deployCC -ccn basic -ccp ../asset-transfer-basic/chaincode-go -ccl go

 Using docker and docker-compose
 deploying chaincode on channel 'mychannel'
 executing with the following - CHANNEL_NAME: mychannel
  - CC_NAME: basic
 - cc_src_path: ../asset-transfer-basic/chaincode-go
- cc_src_LangUagE: go
   CC_VERSION: 1.0.1
  CC_SEQUENCE: auto
  CC_END_POLICY: NA
CC_COLL_CONFIG: NA
  - CC_INIT_FCN: NA
 - DELAY: 3
 - MAX RETRY: 5
 - VERBOSE: false
 executing with the following
 - CC_NAME: basic
 - CC_SRC_PATH: ../asset-transfer-basic/chaincode-go
- CC_SRC_LANGUAGE: go
 - CC_VERSION: 1.0.1
 Vendoring Go dependencies at ../asset-transfer-basic/chaincode-go ~/Programming/go/src/github.com/imrraaj/fabric-samples/test-network
go: downloading github.com/hyperledger/fabric-paincode-go v0.3.0
go: downloading github.com/hyperledger/fabric-protos-go v0.3.0
go: downloading github.com/hyperledger/fabric-contract-api-go v1.2.1
go: downloading github.com/stretchr/testify v1.8.2
go: downloading google.golang.org/grpc v1.53.0
go: downloading github.com/golang/protobuf v1.5.2
go: downloading github.com/xeipuuv/gojsonschema v1.2.0
go: downloading github.com/go-openapi/spec v0.20.8
go: downloading github.com/gobuffalo/packr v1.30.1
 go: downloading github.com/gobuffalo/packd v1.0.1
```

```
Finished vendoring Go dependencies
+ '[' false = true ']'
+ peer lifecycle chaincode package basic.tar.gz --path ../asset-transfer-basic/chaincode-go --lang golang --label basic_1.0.1
+ res=0
Chaincode is packaged
Installing chaincode on peer0.org1...
Using organization 1
+ peer lifecycle chaincode queryinstalled --output json
+ jq -r 'try (.installed_chaincodes[].package_id)'
+ grep '^basic_1.0.1:650b7b4f5a8545d710651dc01edee8cf83518ef4b36a67a08be061ba14da653a$'
+ test 1 -ne 0
+ peer lifecycle chaincode install basic.tar.gz
+ res=0
2023-11-07 11:38:05.216 IST 0001 INFO [cli.lifecycle.chaincode] submitInstallProposal → Installed remotely: response:<status:200 pa
518ef4b36a67a08be061ba14da653a\022\013basic_1.0.1" >
2023-11-07 11:38:05.218 IST 0002 INFO [cli.lifecycle.chaincode] submitInstallProposal → Chaincode code package identifier: basic_1.
61ba14da653a
Chaincode is installed on peer0.org1
Using organization 2
+ peer lifecycle chaincode queryinstalled --output json
+ jq -r 'try (.installed_chaincodes[].package_id)'
+ grep '^basic_1.0.1:650b7b4f5a8545d710651dc01edee8cf83518ef4b36a67a08be061ba14da653a$
+ test 1 -ne 0
+ peer lifecycle chaincode install basic.tar.gz
```

```
./network.sh
Chaincode is installed on peer0.org1
Using organization 2
+ peer lifecycle chaincode queryinstalled --output json
+ jq -r 'try (.installed_chaincodes[].package_id)'
+ grep '^basic_1.0.1:650b7b4f5a8545d710651dc01edee8cf83518ef4b36a67a08be061ba14da653a$'
+ test 1 -ne 0
+ peer lifecycle chaincode install basic.tar.gz
2023-11-07 11:38:28.377 IST 0001 INFO [cli.lifecycle.chaincode] submitInstallProposal → Installed remotely: response:<status:200 payload:"\
518ef4b36a67a08be061ba14da653a\022\013basic_1.0.1" >
2023-11-07 11:38:28.377 IST 0002 INFO [cli.lifecycle.chaincode] submitInstallProposal → Chaincode code package identifier: basic_1.0.1:650b7
61ba14da653a
Chaincode is installed on peer0.org2
++ peer lifecycle chaincode querycommitted --channelID mychannel --name basic
++ sed -n '/Version:/{s/.*Sequence: //; s/, Endorsement Plugin:.*$//; p;}'Error: query failed with status: 404 - namespace basic is not defined
+ COMMITTED_CC_SEQUENCE=
+ res=0
Using organization 1
+ peer lifecycle chaincode queryinstalled --output json
+ jq -r 'try (.installed_chaincodes[].package_id)'
+ grep '^basic_1.0.1:650b7b4f5a8545d710651dc01edee8cf83518ef4b36a67a08be061ba14da653a$'
+ res=0
basic_1.0.1:650b7b4f5a8545d710651dc01edee8cf83518ef4b36a67a08be061ba14da653a
Query installed successful on peer0.org1 on channel
Using organization 1
+ peer lifecycle chaincode approveformyorg -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls --cafile /home/rajkp/Prog
s/test-network/organizations/ordererOrganizations/example.com/tlsca/tlsca.example.com-cert.pem --channelID mychannel --name basic --version
0651dc01edee8cf83518ef4b36a67a08be061ba14da653a --sequence 1
2823-11-87 11:38:38.696 IST 8081 INFO [chaincodeCmd] ClientWait → txid [1722fc25c2ed15ffd598ca2bfee4a41ac86b5972ac7849e8f18b747cbce8c15a] cc
Chaincode definition approved on peer0.org1 on channel 'mychannel'
Using organization 1
Checking the commit readiness of the chaincode definition on peer0.org1 on channel 'mychannel'...
 hecking the commit readiness of the chaincode definition on peer0.org1 on channel 'mychannel'..
Attempting to check the commit readiness of the chaincode definition on peer0.org1, Retry after 3 seconds.
+ peer lifecycle chaincode checkcommitreadiness --channelID mychannel --name basic --version 1.0.1 --sequence 1 --output json
+ res=0
        "approvals": {
                "Org1MSP": true,
                "Org2MSP": false
Checking the commit readiness of the chaincode definition successful on peer0.org1 on channel 'mychannel'
Using organization 2
Checking the commit readiness of the chaincode definition on peer0.org2 on channel 'mychannel'...
Attempting to check the commit readiness of the chaincode definition on peer0.org2, Retry after 3 seconds.
+ peer lifecycle chaincode checkcommitreadiness --channelID mychannel --name basic --version 1.0.1 --sequence 1 --output json
+ res=0
        "approvals": {
                "Org1MSP": true,
"Org2MSP": false
Checking the commit readiness of the chaincode definition successful on peer0.org2 on channel 'mychannel'
Using organization 2
+ peer lifecycle chaincode approveformyorg -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls --cafile /home/rajkp/Progra
s/test-network/organizations/ordererOrganizations/example.com/tlsca/tlsca.example.com-cert.pem --channelID mychannel --name basic --version 1.8
0651dc01edee8cf83518ef4b36a67a08be061ba14da653a --sequence 1
+ res=0
2023-11-07 11:38:39.158 IST 0001 INFO [chaincodeCmd] ClientWait → txid [32e6107a665d7553665794d132b369df7b0f1a11db13f335f984d4954f50eed5] com
```

```
../test-network
         "approvals": {
                  "Org1MSP": true,
                  "Org2MSP": true
Checking the commit readiness of the chaincode definition successful on peer0.org2 on channel 'mychannel'
Using organization 1
+ peer lifecycle chaincode commit -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls --cafile /home/rajkp/Programming/go/src/github
twork/organizations/ordererOrganizations/example.com/tlsca/tlsca.example.com-cert.pem --channelID mychannel --name basic --peerAddresses localhost:7051
amming/go/src/github.com/imrraaj/fabric-samples/test-network/organizations/peerOrganizations/org1.example.com/tlsca/tlsca.org1.example.com-cert.pem --pe
CertFiles /home/rajkp/Programming/go/src/github.com/imrraaj/fabric-samples/test-network/organizations/peerOrganizations/org2.example.com/tlsca/tlsca.org2
.1 --sequence 1
+ res=0
2023-11-07 11:38:47.759 IST 0001 INFO [chaincodeCmd] ClientWait \rightarrow txid [ecla9805f43d521320f8fc802fcb51ed690f90f46f5f54ea947e6f60a49f5614] committed with 2023-11-07 11:38:47.774 IST 0002 INFO [chaincodeCmd] ClientWait \rightarrow txid [ecla9805f43d521320f8fc802fcb51ed690f90f46f5f54ea947e6f60a49f5614] committed with
Chaincode definition committed on channel 'mychannel
Using organization 1
Attempting to Query committed status on peer0.org1, Retry after 3 seconds.
+ peer lifecycle chaincode querycommitted --channelID mychannel --name basic
Committed chaincode definition for chaincode 'basic' on channel 'mychannel':
Version: 1.8.1, Sequence: 1, Endorsement Plugin: escc, Validation Plugin: vscc, Approvals: [Org1MSP: true, Org2MSP: true]
Query chaincode definition successful on peer0.org1 on channel 'mychannel
Querying chaincode definition on peer0.org2 on channel 'mychannel'...
+ peer lifecycle chaincode querycommitted --channelID mychannel --name basic
Committed chaincode definition for chaincode 'basic' on channel 'mychannel':
Version: 1.0.1, Sequence: 1, Endorsement Plugin: escc, Validation Plugin: vscc, Approvals: [Org1MSP: true, Org2MSP: true]
Query chaincode definition successful on peer0.org2 on channel 'mychannel'
Chaincode initialization is not required
 test-network [main]
```