```
           ┌─────────────────┐
           │  Start myApp.go │
           └─────────────────┘
                    │
                    ▼
┌──────────────────┐     ┌──────────────────┐     fetching      ┌─────────┐
│  NewOperation func│◄────│  LoadState func to│      data         │         │
│  is called along  │     │  store the previous│◄───────────────│ MongoDb │
│  with LoadState   │     │  info of blockchain│    and storing it│         │
└──────────────────┘     └──────────────────┘    into State      └─────────┘
         │                                        structure
         ▼
┌──────────────────┐
│ start Tendemint   │
│ node using command│
│  "tendermint node"│
└──────────────────┘
```

```
┌──────────────┐     ┌──────────────┐    After onetime call to InitChain   ┌──────────────┐        checking
│ Call to INFO │────►│ Send RPC     │─────────────────────────────────────►│ Call to      │────► tot_txn_Counter if
│   method     │     │ request using│                                      │ Check_Tx     │       zero return nil
└──────────────┘     │ curl command │                                      │  method      │
       │             └──────────────┘                                      └──────────────┘
       │          ┌─────────────────────────────┐                                │
       ▼          │ one time call when starting node│                            ▼
┌──────────────┐  │                              │                         ┌──────────────┐
│ Assigning    │  │        ◇                     │                         │ Call to      │
│ Block height │  │   if InitChain               │                         │ BeginBlock   │
│ and hash to  │  │    is called                 │                         │  Method      │
│ resInfo.     │  │        ◇                     │                         └──────────────┘
│ LastBlockHeight│ │        │                    │                                │
│ and          │  │        │ If yes              │                                ▼             ┌──────────────────┐
│ resInfo.     │  │        ▼                     │                         ┌──────────────┐    │ 1. fetching the  │
│ LastBlockHash│  │  ┌──────────────┐            │                         │ Call to      │    │    input data    │
└──────────────┘  │  │ Call to Begin│            │                         │ DeliverTx    │────│ 2. Calling add/Sub│
                  │  │ Block method │            │                         │  method      │    │    function based │
                  │  └──────────────┘            │                         └──────────────┘    │    on the above   │
                  │        │                     │                                │            │    data           │
                  │        ▼                     │                                ▼            │ 3. storing the    │
                  │  ┌──────────────┐            │                         ┌──────────────┐    │    result to Db   │
                  │  │ Call to Commit│           │                         │ Call to      │    │ 4. incrementing   │
                  │  │   method     │            │                         │ EndBlock     │    │    the tot_txn    │
                  │  └──────────────┘            │                         │  method      │    │    count          │
                  └─────────────────────────────┘                         └──────────────┘    └──────────────────┘
                                                     storing the                  │
                                                     storeResult                  ▼
                                                     structure data        ┌──────────────┐              ┌──────────────────┐
                                                     to mongoDb            │ Call to      │──────────────│ 1. assigning     │
                                                     with the             │ Commit       │              │    appHash to    │
                                                     applied              │  method      │              │    app.state.    │
                                                     operation Info       └──────────────┘              │    AppHash and   │
                                                                                                         │    app.state.    │
                                                        stroing                                          │    state.AppHash │
                                                        data to                                          │                  │
                                                        Db when           ┌─────────┐                    │ 2. calling       │
                                                        calling           │ mongoDb │                    │    saveState func│
                                                        saveState         └─────────┘                    └──────────────────┘
```

One time call to InitChain

InitChain method is called only when we are starting the tendermint from scratch hence there is some change in the flow represented by dotted line rectangle