**Steps :**

1. **Launch SuperNode**
2. **Launch DHT Nodes (how many you want)**
3. **Launch the client (where get and set is being done)**

**Compiling and Running SuperNode**

run the commands 1 and 2.

1. javac -cp ".:/usr/local/Thrift/\*" SuperNodeServer.java -d .
2. java -cp ".:/usr/local/Thrift/\*" SuperNodeServer

**Compiling and Running DHT Nodes**

run the commands 1 and 2.

1. javac -cp ".:/usr/local/Thrift/\*" DHTNodeServer.java -d .
2. java -cp ".:/usr/local/Thrift/\*" DHTNodeServer

For Different DHT Node launch in different machines.

**Compiling and Running Client**

run the commands 1 and 2.

1. javac -cp ".:/usr/local/Thrift/\*" Client.java -d .
2. java -cp ".:/usr/local/Thrift/\*" Client

**Config Folder**

./data/config

All the IPs(SuperNodeIP) and all the ports (supernode port, dhtnode port)can be changed here.

The bits used for finger table and hashing can be changed here.

The path to read the input file can be set here.

Multiple input files can be stored in the directory and based on the need can be set in “inputFile”

**Input Folder**

./data/input\_dir

Here the input files are stored which is used to set.

In the client first the input file is being set int the DHT by reading the filename from the config file.

Then we have a do while loop in which we ask the user to enter the book name for which he wants to lookup for the genre.