

1. Open terminal and redirect to the project folder.
2. Type mvn install.

```
Khalids-MacBook-Air:~ kmursi$ cd Desktop/
Khalids-MacBook-Air:Desktop kmursi$ cd Project_4/
Khalids-MacBook-Air:Project_4 kmursi$ cd Peer1/
Khalids-MacBook-Air:Peer1 kmursi$ mvn install
```

3. Open ten terminals, and redirect to the target folder.

```
Khalids-MacBook-Air:Peer1 kmursi$ cd target/
Khalids-MacBook-Air:target kmursi$ ls
First_Peer_1.jar      generated-sources      maven-status
classes              maven-archiver         peer-v1.jar
Khalids-MacBook-Air:target kmursi$ _
```

4. Type "java -jar peer-v1.jar". Repeat this on all terminals.
5. Enter the desired topology. '1' for star, and '2' for 2D-Mesh.

```
Enter '1'to apply the star topology or 2 for 2D-mesh topology:
2
```

6. Now type the peer id. Note, p1, p2, p3, p4, p5, p6, p7, p8, p9, p10.

```
Set up your peer, Enter Peer ID:
p1_
```

7. Peer 1 is up now. Run the other peers then start.

```
Checking local files validity !

*****
Type the action number as following:
1. Search a file over the topology.
2. Register a file on your local machine.
3. Register all files of the working directory.
4. Download file from a peer.
5. List my files of the current directory.
6. Calculate the performance of search requests.
7. To exit.
*****
```