

1. Take 3 PC/BBB(nodes)

2. change the hostnames of the respective nodes using cmd

```
root@PC#hostname node1
```

```
root@PC #hostname node2
```

```
root@PC #hostname node3
```

3. Create a user on each of the nodes

```
root@node1# adduser student
```

```
root@node2# adduser student
```

```
root@node3# adduser student
```

4. check ip address of nodes using **ifconfig** (make sure all the PC are in the same network)

5. modify **/etc/hosts** of each node with **IP-address hostname** pair of every-node

Eg. 172.16.133.54 node1

172.16.132.12 node2

172.16.133.52 node3

6. now switch to student user

```
root@node1# su – student
```

```
root@node2# su – student
```

```
root@node3# su – student
```

7. Generate **ssh keys**

```
student@node1$ ssh-keygen
```

```
student@node2$ ssh-keygen
```

```
student@node3$ ssh-keygen
```

8. Now from node1 perform following commands

```
student@node1$ ssh-copy-id node2
```

```
student@node1$ ssh-copy-id node3
```

*similarly perform ssh-copy-if from node2 to node1 & node3 **and** from node3 to node1 & node2*

9. Now check if you are able to ssh passwordlessly

```
student@node1$ ssh node2
```

```
student@node2$
```