Assignment 4 - Introduction to Apache Zookeeper

Name:	Chaitanya Madhav R
SRN:	PES1UG20CS634
Section:	K

1a.jpg Screenshot of Zookeeper Server having started.

```
chaitanyamadhav@DESKTOP-SO73HML:/opt/apache-zookeeper-3.8.0-bin$ sudo bin/zkServer.sh start
ZooKeeper JMX enabled by default
Using config: /opt/apache-zookeeper-3.8.0-bin/bin/../conf/zoo.cfg
Starting zookeeper ... STARTED
```

2a.jpg Screenshot of Listing of the created ZNodes

```
[zk: localhost:2181(CONNECTED) 5] ls /
[pes1ug20cs634_eph, pes1ug20cs634_seq0000000000, zookeeper]
```

2b.jpg Screenshot of Listing of the deleted ephemeral node

```
[zk: localhost:2181(CONNECTED) 0] ls /
[pes1ug20cs634_seq0000000000, zookeeper]
```
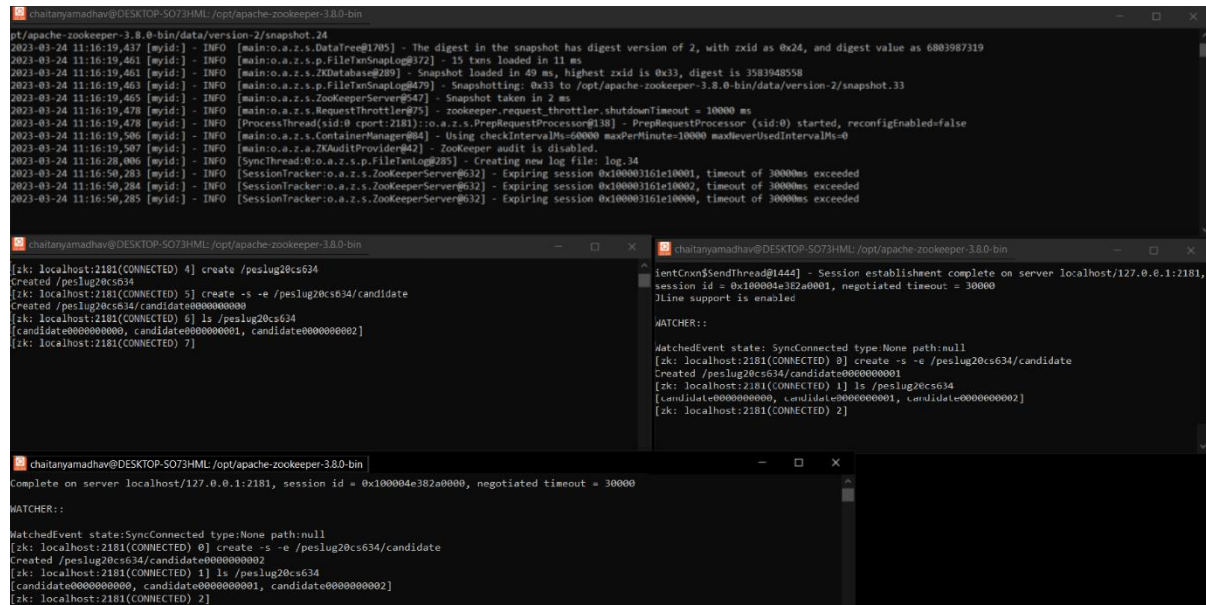
2c.jpg Screenshot of Data and Metadata associated with the created sequential znode

```
[zk: localhost:2181(CONNECTED) 3] get -s /pes1ug20cs634_seq0000000000
a sequential node
cZxid = 0x8
ctime = Thu Mar 23 14:33:37 IST 2023
mZxid = 0x8
mtime = Thu Mar 23 14:33:37 IST 2023
pZxid = 0x8
cversion = 0
dataVersion = 0
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 17
numChildren = 0
[zk: localhost:2181(CONNECTED) 4] _
```

2d.jpg Screenshot of Listing of all the children nodes


```
[zk: localhost:2181(CONNECTED) 8] ls /pes1ug20cs634
[Chaitanya, Madhav]
```

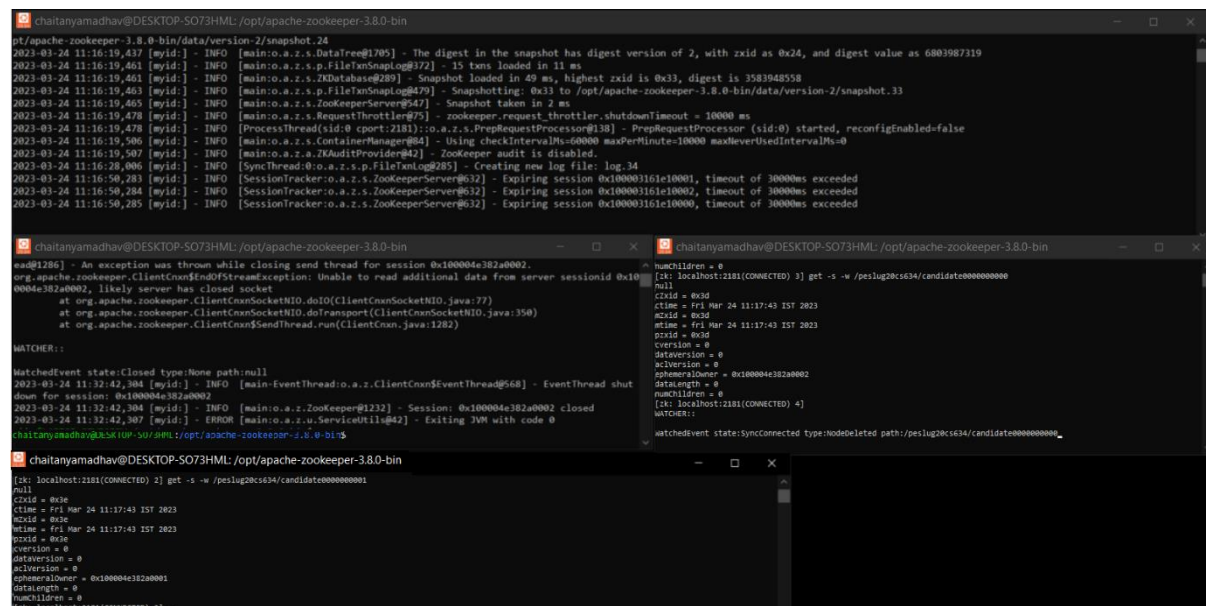## 3a.jpg Screenshot of each of the clients listing all the znodes

3b.jpg Screenshot of the Watched Event and the Zookeeper Server logs