Assignment 4 - Introduction to Apache Zookeeper

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Section : VI semester 'A' section

1a.jpg - Screenshot of Zookeeper Server having started

```
-zsh

(base) apache-zookeeper-3.8.0-bin % bin/zkServer.sh start
/usr/bin/java
ZooKeeper JMX enabled by default
Using config: /opt/apache-zookeeper-3.8.0-bin/bin/../conf/zoo.cfg
Starting zookeeper ... STARTED
(base) apache-zookeeper-3.8.0-bin %
```

2a.jpg - Screenshot of Listing of the created ZNodes

```
WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] create -s /PES1UG19CS019_seq
Created /PES1UG19CS019_seq0000000007
[zk: localhost:2181(CONNECTED) 1] create -e /PES1UG19CS019_eph
Created /PES1UG19CS019_eph
[zk: localhost:2181(CONNECTED) 2] ls /
[PES1UG19CS019_eph, PES1UG19CS019_seq0000000007, zookeeper]
[zk: localhost:2181(CONNECTED) 3]
```

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

```
WatchedEvent state:SyncConnected type:None path:null [zk: localhost:2181(CONNECTED) 0] ls / [PES1UG19CS019_seq0000000007, zookeeper] [zk: localhost:2181(CONNECTED) 1] ■
```

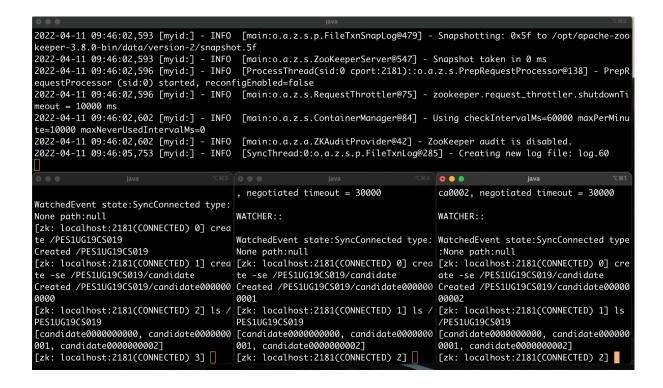
2c.jpg - Screenshot of Data and Metadata associated with the created sequential znode.

```
[zk: localhost:2181(CONNECTED) 1] get -s /PES1UG19CS019_seq0000000007
null
    cZxid = 0x38
    ctime = Mon Apr 11 09:25:20 IST 2022
mZxid = 0x38
mtime = Mon Apr 11 09:25:20 IST 2022
pZxid = 0x38
    cversion = 0
dataVersion = 0
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 0
numChildren = 0
[zk: localhost:2181(CONNECTED) 2]
```

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

```
[zk: localhost:2181(CONNECTED) 6] ls /PES1UG19CS019
[Abhishek, Aditya]
[zk: localhost:2181(CONNECTED) 7]
```

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



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

