Assignment - Introduction to ETCD

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Screenshot 1(a)

```
pes2ug22cs607_sushmitha@sushmitha:~$ /tmp/etcd-download-test/etcd --version
etcd Version: 3.5.12
Git SHA: e7b3bb6cc
Go Version: go1.20.13
Go OS/Arch: linux/amd64
pes2ug22cs607_sushmitha@sushmitha:~$ /tmp/etcd-download-test/etcdctl version
etcdctl version: 3.5.12
API version: 3.5
pes2ug22cs607_sushmitha@sushmitha:~$ /tmp/etcd-download-test/etcdutl version
etcdutl version: 3.5.12
API version: 3.5.12
API version: 3.5.12
```

Screenshot 2(a)

```
pes2ug22cs687_sushmitha@sushmitha:/tmp$ etcd-download-test/etcd
{"level":"warn","ts":"2025-03-17T09:39:59.4597912", "caller":"embed/config.go:679", "msg":"Running http and grpc server on single port.
This is not recommended for production."}
{"level":"info","ts":"2025-03-17T09:39:59.461977Z", "caller":"etcdmain/etcd.go:105", "msg":"Running: ", "args":["etcd-download-test/etcd"]
}{"level":"warn","ts":"2025-03-17T09:39:59.462041Z", "caller":"etcdmain/etcd.go:105", "msg":"Running http and grpc server on single port.
This is not recommended for production."}
{"level":"warn","ts":"2025-03-17T09:39:59.462523Z", "caller":"embed/config.go:679", "msg":"Running http and grpc server on single port.
This is not recommended for production."}
{"level":"info","ts":"2025-03-17T09:39:59.462572Z", "caller":"embed/etcd.go:127", "msg":"configuring peer listeners", "listen-peer-urls"
:["http://localhost:23300"]}
{"level":"info","ts":"2025-03-17T09:39:59.466455Z", "caller":"embed/etcd.go:135", "msg":"configuring client listeners", "listen-client-urls":["http://localhost:23300"]}
{"level":"info","ts":"2025-03-17T09:39:59.4666455Z", "caller":"embed/etcd.go:308", "msg":"starting an etcd server", "etcd-version":"3.5.1
2", "git-sha":"e/b3bb6cc", "go-version":"gol. 20.137", "gol. 20.137",
```

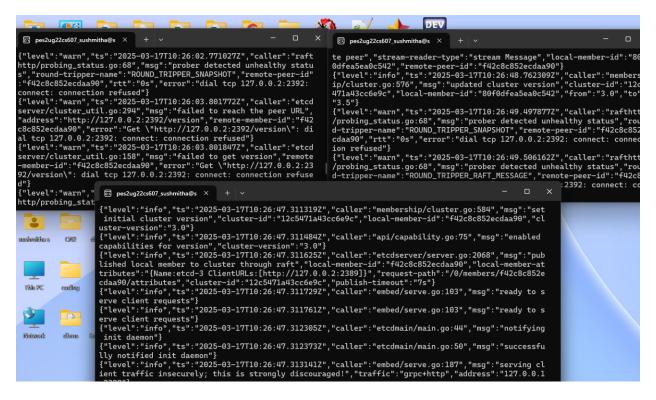
Screenshot 2(b)

```
pes2ug22cs607_sushmitha@sushmitha:/tmp$ etcdctl watch srn
PUT
srn
pes2ug22cs607_Sushmitha_S
DELETE
srn

pes2ug22cs607_sushmitha@sushmitha:/tmp$ etcdctl --endpoints=localhost:2379 put srn pes2ug22cs607
OK
pes2ug22cs607_sushmitha@sushmitha:/tmp$ etcdctl --endpoints=localhost:2379 get srn
srn
pes2ug22cs607

pes2ug22cs607_sushmitha@sushmitha:/tmp$ etcdctl --endpoints=localhost:2379 put srn pes2ug22cs607_Sushmitha_S
OK
pes2ug22cs607_sushmitha@sushmitha:/tmp$ etcdctl --endpoints=localhost:2379 put srn pes2ug22cs607_Sushmitha_Sushmitha:/tmp$ etcdctl del srn
pes2ug22cs607_sushmitha@sushmitha:/tmp$ etcdctl del srn
pes2ug22cs607_sushmitha@sushmitha:/tmp$ |
pes2ug22cs607_sushmitha@sushmitha:/tmp$ |
```

Screenshot 3(a)



Screenshot 4(a)

pes2ug22cs607_sushmitha@sushmitha:/tmp\$ etcdctlendpoints=http://127.0.0.2:2359 endpoint statuswrite-out=table								
	ID	VERSION	DB SIZE	IS LEADER		RAFT TERM	RAFT INDEX	RAFT APPLIED INDEX
http://127.0.0.2:2359	366952c5ece74e7c	3.5.12	20 kB	true			9	
pes2ug22cs607_sushmitha@sushmitha:/tmp\$ etcdctlendpoints=http://127.0.0.2:2369 endpoint statuswrite-out=table								
 ENDPOINT ERRORS	ID	VERSION	DB SIZE	IS LEADER		RAFT TERM	RAFT INDEX	RAFT APPLIED INDEX
http://127.0.0.2:2369 9								
+								RAFT APPLIED INDEX
http://127.0.0.2:2389				false	 false	2 .	9	
pes2ug22cs607_sushmitha@sushmitha:/tmp\$								

Screenshot 4(b)