

# ADVANCED OPERATING SYSTEMS

## PROJECT – 1

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To reproduce the scenario of the 3 servers running on different systems, we maintain 3 different Server IDs, IPs and Port Numbers in a Config file, and create a folder each for the 3 Servers and one folder for all the clients. We create a folder named – **FileSystem** in all the server folders, so that we have a different copy of file for each server, which that server writes onto. Connect to different machines for each of the servers and clients compile and execute the .java files. Steps to compile and execute are given below –

Compile:

Compile all the files present on every server and client folder using the command –

```
javac *.java
```

### SERVER

Execute:

```
java Server <Server ID> <Server IP> <Server Port>
```

```
java Server S1 dc01.utdallas.edu 7000
```

```
java Server S2 dc02.utdallas.edu 8000
```

```
java Server S3 dc03.utdallas.edu 9000
```

### CLIENT

Execute:

```
java Clients <Client Name> <Total Number of Messages>
```

```
java Clients C1 100
```

```
java Clients C2 100
```

```
java Clients C3 100
```

```
java Clients C4 100
```

```
java Clients C5 100
```

Please refer to the Config file attached to the zip file.