

PROJECT 4(I) – COP5615

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Run in terminal(for linux)-

To run the server-

- mix deps.get
- mix escript.build
- ./project4 run

To run the client-

- mix deps.get
- mix escript.build
- ./project4 <server's ip address> <number of users> <number of tweets> <number of switching users>

Performance Number

Maximum number of users (tested for) – 12000 (can run for more)

Maximum number of tweets (tested for) – 200000 (can run for more)

Maximum number of switching users (tested for) - 20000 (can run for more)

Screenshot on next page-

```
sakshis-MacBook-Pro:PROJECT4 sakshi$ mix deps.get
Resolving Hex dependencies...
Dependency resolution completed:
  random_bytes 1.0.0
  social_parser 1.1.0
All dependencies up to date
sakshis-MacBook-Pro:PROJECT4 sakshi$ mix escript.build
sakshis-MacBook-Pro:PROJECT4 sakshi$ ./project4 run
```

23:24:53.465 [debug] Server is running

23:24:53.467 [debug] 1

23:24:54.468 [debug] Server is running

23:24:54.468 [debug] 0

23:24:55.469 [debug] Server is running

23:24:55.469 [debug] 0

23:24:56.470 [debug] Server is running

23:24:56.470 [debug] 0

23:24:57.471 [debug] Server is running

23:24:57.471 [debug] 0

23:24:58.472 [debug] Server is running

23:24:58.472 [debug] 0

23:24:59.473 [debug] Server is running

23:24:59.473 [debug] 0

23:25:00.474 [debug] Server is running

23:25:00.474 [debug] 0

23:25:01.475 [debug] Server is running

23:25:01.475 [debug] 0

23:25:02.476 [debug] Server is running

23:25:02.476 [debug] 0

23:25:03.477 [debug] Server is running

23:25:03.477 [debug] 0

23:25:04.478 [debug] Server is running

23:25:04.478 [debug] 0

```
sakshis-MacBook-Pro:PROJECT4 sakshi$ mix deps.get
Resolving Hex dependencies...
Dependency resolution completed:
  random_bytes 1.0.0
  social_parser 1.1.0
All dependencies up to date
sakshis-MacBook-Pro:PROJECT4 sakshi$ mix escript.build
sakshis-MacBook-Pro:PROJECT4 sakshi$ ./project4 172.16.105.170 1000 200 2000
```

23:23:53.804 [debug] connection established Successfully

23:24:00.332 [debug] Tweet from 2

23:24:00.333 [debug] Tweet from 1

23:24:00.333 [debug] Tweet from 3

23:24:00.333 [debug] Tweet from 5

23:24:00.334 [debug] Tweet from 19

23:24:00.334 [debug] Tweet from 30

23:24:00.334 [debug] Tweet from 31

23:24:00.334 [debug] Tweet from 32

23:24:00.334 [debug] Tweet from 36

23:24:00.334 [debug] Tweet from 38

23:24:00.334 [debug] Tweet from 40

23:24:00.334 [debug] Tweet from 41

23:24:00.334 [debug] Tweet from 42

23:24:00.334 [debug] Tweet from 44

23:24:00.334 [debug] Tweet from 46

23:24:00.334 [debug] Tweet from 48

23:24:00.334 [debug] Tweet from 49

23:24:00.334 [debug] Tweet from 34

23:24:00.334 [debug] Tweet from 39

23:24:00.334 [debug] Tweet from 51

23:24:00.334 [debug] Tweet from 52

23:24:00.334 [debug] Tweet from 55

23:24:00.334 [debug] Tweet from 53