

PROJECT 3 – Pastry - Bonus

COP5615

TEAM MEMBERS:-

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Command line arguments given:

numNodes numRequests

where **numNodes** is the number of peers in the system and **numRequests** is the number of requests that each peer has to make.

As an example,

Run the program as following-

```
scalac Project3.scala  
scala Project3 10 5
```

where number of nodes is 10 nodes and number of requests each node has to send are 5 messages.

Working:

The program works as follows-

After starting the routing process, the program randomly selects a node from the nodes generated and shuts it down. The count for number of hops is incremented as each node receives a routing message and also takes into account the number of messages sent so as to find the average number of hops at the end. When all the actors have sent the input number of requests each, the system shuts down.

Output:

It prints the average number of hops.

Example:

Process for all nodes completed, system exiting
Average number of hops:7