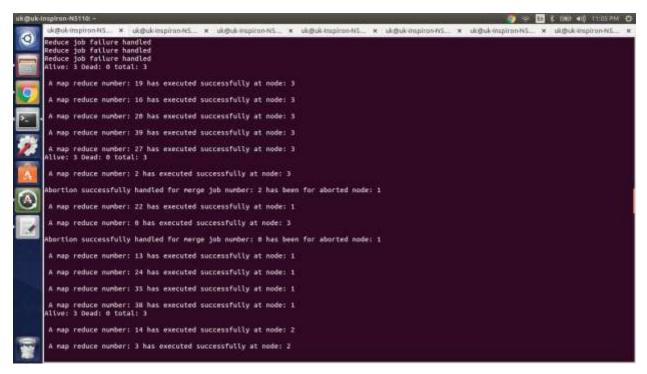
1. The server ping the different compute nodes to check how many are alive

```
ukauk-inspiron NS. × ukauk-ins
    A map reduce number: 49 has executed successfully at mode: 2
  A map reduce number: 46 has executed successfully at node: 1
Nive: 2 Dead: 8 total: 2
  A map reduce number: 28 has executed successfully at node: 1
Nive: 2 Dead: 0 total: 2
   A map reduce number: 47 has executed successfully at node: 2
  A map reduce number: 23 has executed successfully at node: 2
    A map reduce number: 58 has executed successfully at node: 2
   A map reduce number: 29 has executed successfully at node: 1
  A map reduce number: 19 has executed successfully at node: 1
Alive: 2 Dead: 0 total: 2
 A map reduce number: 60 has executed successfully at node: 2
Alive: 2 Dead: 0 total: 2
   A map reduce number: 25 has executed successfully at node: 2
  A map reduce number: 16 has executed successfully at node: 1
Abortion successfully handled for merge job number: 18 has been for aborted node: 2
Alive: 2 Dead: 0 total: 2
Alive: 2 Dead: 0 total: 2
   A map reduce number: 3 has executed successfully at node: 2
A map reduce number: 4 has executed successfully at node: 1
Alive: 2 Dead: 0 total: 2
Alive: 2 Dead: 0 total: 2
Alive: 2 Dead: 0 total: 2
   A map reduce number: 7 has executed successfully at node: 2
```

2. Execution of map jobs



3. Redundant jobs are aborted in mapper

```
ikēuk inspiron NS. × ukēuk in
0
               Alive: 2 Dead: 0 total: 2
                 A map reduce number: 10 has executed successfully at node: 2
                 A map reduce number: 25 has executed successfully at node: 2
                 ibortion successfully handled for merge job number: 25 has been for aborted node: 1
                 A map reduce number: 13 has executed successfully at node: 2
                 A map reduce number: 21 has executed successfully at mode: 1
                A map reduce number: 38 has executed successfully at mode: 1
Alive: 2 Dead: 6 total: 2
 2
                A map reduce number: 24 has executed successfully at node: 1
Alive: 2 Dead: 0 total: 2
Alive: 2 Dead: 0 total: 2
A
                 A map reduce number: 16 has executed successfully at node: 1
                A map reduce number: 12 has executed successfully at mode: 2
Alive: 2 Dead: 0 total: 2
                  A map reduce number: 7 has executed successfully at node: 1
                 A map reduce number: 41 has executed successfully at node: 2
                Abortion successfully handled for merge job number: 41 has been for aborted node: 1
               Alive: 2 Dead: 0 total: 2
Alive: 2 Dead: 0 total: 2
                 A map reduce number: 3 has executed successfully at mode: 2
                Abortion successfully handled for merge job number: 3 has been for aborted node: 1
                A map reduce number: 27 has executed successfully at mode: 1
Alive: 2 Dead: 8 total: 2
```

4. Task executed sucessfully

```
Alive: 3 Dead: 0 total: 3

Alive: 3 Dead: 0 total: 3

An ap reduce mumber: 0 has executed successfully at mode: 1

Alive: 3 Dead: 0 total: 3

An ap reduce mumber: 0 has executed successfully at mode: 1

Are breaking out of the infinite loop: GoodMergeThread: 1 badMergeThread: 3 redundantMergeThread: 0 total merge jobs Initialized: 4

Intal Number of merge jobs pending due to failure: 1

Total Number of merge jobs pending due to failure: 1

Alive: 3 Dead: 0 total: 3

Are breaking out of the infinite loop: GoodMergeThread: 1 badMergeThread: 2 redundantMergeThread: 1 total merge jobs Initialized: 4

Intal Number of merge jobs pending due to failure: 1

Total Number of new files created: 1

Zeedoop 1: 0 Zeedoop 1: 0 Zeedoop 1: 0 Zeedoop 2: 0 Zeedoop 1: 0 Zeedoop 1
```

5. For the largest file:

```
SeptimipronNS. X utgotimipronNS. X utgotimipronN
```

6. Killing all nodes by ctrl + c

7. Statistics showing completed jobs, redundant jobs, pending job

```
Okpuk-inspiran-NSSISC-

Approduce job fatture handled

A map reduce number: 4 has executed successfully at mode: 2

Alive: 3 Dead: 6 total: 3

A map reduce number: 5 has executed successfully at mode: 1

A map reduce number: 3 has executed successfully at mode: 1

A map reduce number: 3 has executed successfully at mode: 1

A map reduce number: 3 has executed successfully at mode: 1

A map reduce number: 3 has executed successfully at mode: 1

A map reduce number: 3 has executed successfully at mode: 1

A map reduce number: 3 has executed successfully at mode: 1

A map reduce number: 4 has executed successfully at mode: 1

A map reduce number: 5 has executed successfully at mode: 1

A map reduce number: 6 has executed successfully at mode: 1

A map reduce number: 7 has executed successfully at mode: 1

A map reduce number: 8 has executed successfully at mode: 1

A map reduce number: 9 has executed successfully at mode: 1

A map reduce number: 1 has executed successfully at mode: 1

A map reduce number: 1 has executed successfully at mode: 1

A map reduce number: 1 has executed successfully at mode: 1

A map reduce number: 1 has executed successfully at mode: 1

A map reduce number: 1 has executed successfully at mode: 1

A map reduce number: 1 has executed successfully at mode: 1

A map reduce number: 1 has executed successfully at mode: 1

A map reduce number: 2 has executed successfully at mode: 1

A map reduce number: 6 has executed successfully at mode: 1

A map reduce number: 6 has executed successfully at mode: 1

A reduce job fatture handled

Reduce job fatture handled

Reduce 3 Dead: 6 total: 3

B mode: 9 Dead: 6 total: 3

B mode: 9 Dead: 6 total: 3

B mode: 9 Dead: 6 total: 7

B mode: 9 Dead: 6 total: 6 total: 7

B mode: 9 Dead: 6 total: 7

B mode: 9 Dead: 6 total: 6 total: 7

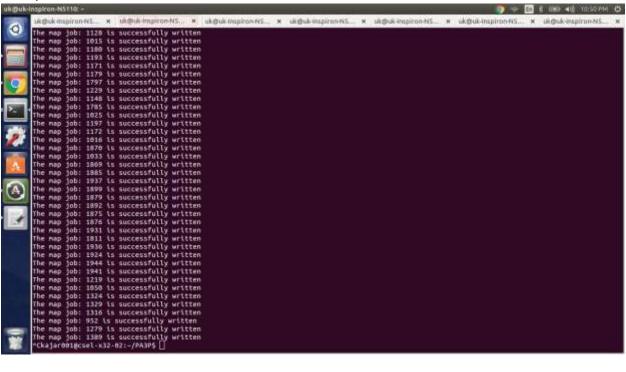
B mode: 9 Dead: 6 total: 7

B mode: 9 Dead: 6 total: 7

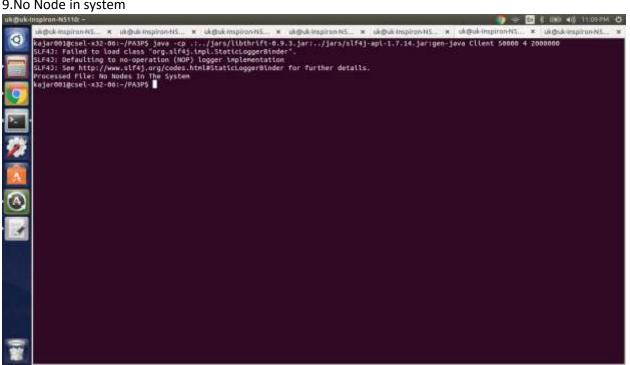
B mode: 9 Dead: 6 total: 7

B
```

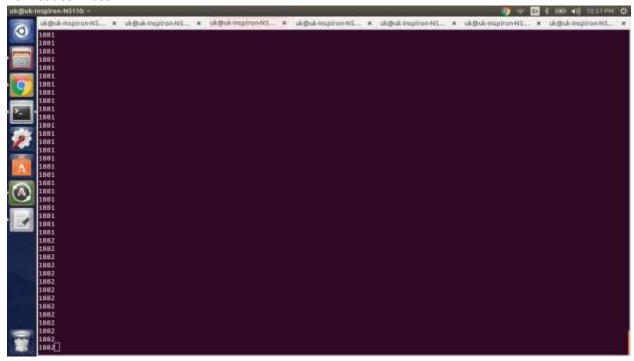
8. Map Phase



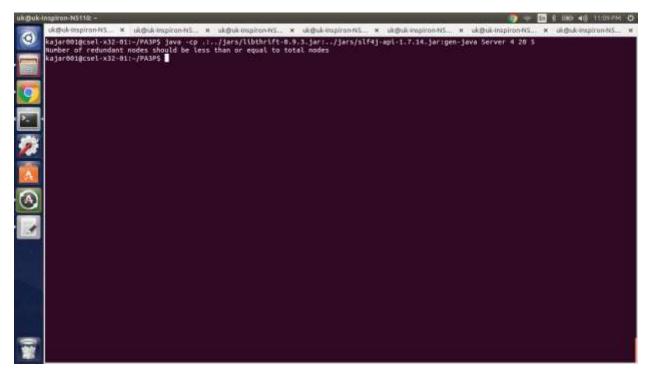
9.No Node in system



10. Reduce Phase



11. Number of redundant Node is greater than number of Nodes



12. Statistics of all Nodes on system as well as the server:

```
windwinspronAssist.—

dispulsinspronAss.—

dispulsinspronAss.

dispulsinspronAss.
```