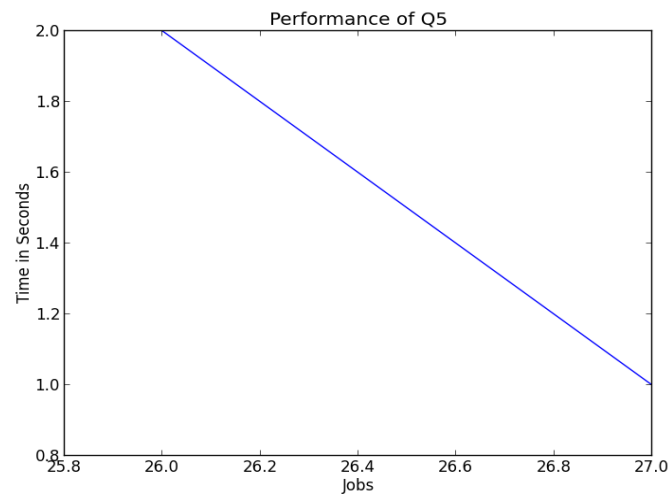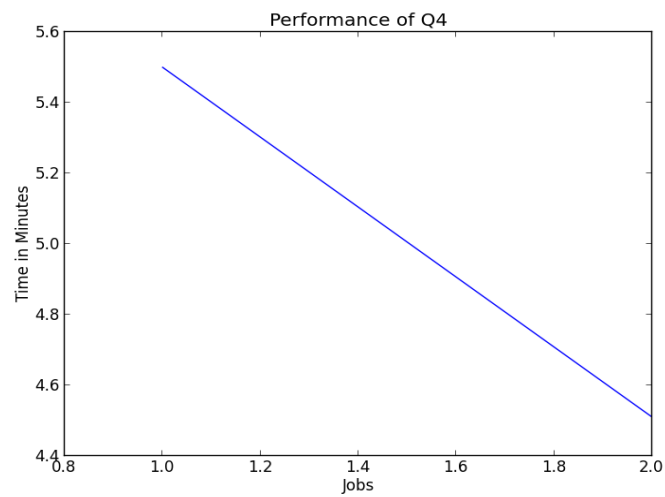# Assignment -2: Hadoop MapReduce

Rajiv Madeswaran

1. Performance Graph:

Performance Parameters Used:

- mapred.reduce.tasks = 2

- mapred.compress.map.output = true.

2. Screenshot of the Console Output:

```
17/03/07 04:40:17 INFO streaming.StreamJob:  map 81%   reduce 0%
17/03/07 04:40:20 INFO streaming.StreamJob:  map 82%   reduce 0%
17/03/07 04:40:26 INFO streaming.StreamJob:  map 83%   reduce 0%
17/03/07 04:40:29 INFO streaming.StreamJob:  map 84%   reduce 0%
17/03/07 04:40:32 INFO streaming.StreamJob:  map 85%   reduce 0%
17/03/07 04:40:35 INFO streaming.StreamJob:  map 86%   reduce 0%
17/03/07 04:40:39 INFO streaming.StreamJob:  map 87%   reduce 0%
17/03/07 04:40:42 INFO streaming.StreamJob:  map 88%   reduce 0%
17/03/07 04:40:45 INFO streaming.StreamJob:  map 89%   reduce 0%
17/03/07 04:40:50 INFO streaming.StreamJob:  map 90%   reduce 0%
17/03/07 04:40:56 INFO streaming.StreamJob:  map 91%   reduce 0%
17/03/07 04:40:59 INFO streaming.StreamJob:  map 92%   reduce 0%
17/03/07 04:41:02 INFO streaming.StreamJob:  map 93%   reduce 0%
17/03/07 04:41:08 INFO streaming.StreamJob:  map 94%   reduce 0%
17/03/07 04:41:17 INFO streaming.StreamJob:  map 95%   reduce 0%
17/03/07 04:41:18 INFO streaming.StreamJob:  map 95%   reduce 8%
17/03/07 04:41:24 INFO streaming.StreamJob:  map 96%   reduce 8%
17/03/07 04:41:27 INFO streaming.StreamJob:  map 96%   reduce 17%
17/03/07 04:41:30 INFO streaming.StreamJob:  map 97%   reduce 17%
17/03/07 04:41:42 INFO streaming.StreamJob:  map 98%   reduce 17%
17/03/07 04:41:51 INFO streaming.StreamJob:  map 99%   reduce 17%
17/03/07 04:42:00 INFO streaming.StreamJob:  map 100%   reduce 17%
17/03/07 04:42:03 INFO streaming.StreamJob:  map 100%   reduce 21%
17/03/07 04:42:07 INFO streaming.StreamJob:  map 100%   reduce 25%
17/03/07 04:42:13 INFO streaming.StreamJob:  map 100%   reduce 29%
17/03/07 04:42:16 INFO streaming.StreamJob:  map 100%   reduce 50%
17/03/07 04:42:19 INFO streaming.StreamJob:  map 100%   reduce 84%
17/03/07 04:42:22 INFO streaming.StreamJob:  map 100%   reduce 90%
17/03/07 04:42:25 INFO streaming.StreamJob:  map 100%   reduce 95%
17/03/07 04:42:28 INFO streaming.StreamJob:  map 100%   reduce 98%
17/03/07 04:42:31 INFO streaming.StreamJob:  map 100%   reduce 100%
17/03/07 04:42:35 INFO streaming.StreamJob: Job complete: job_201703070437_0001
17/03/07 04:42:35 INFO streaming.StreamJob: Output: /hw2-output
```

3. Screenshot of the Job Tracker: