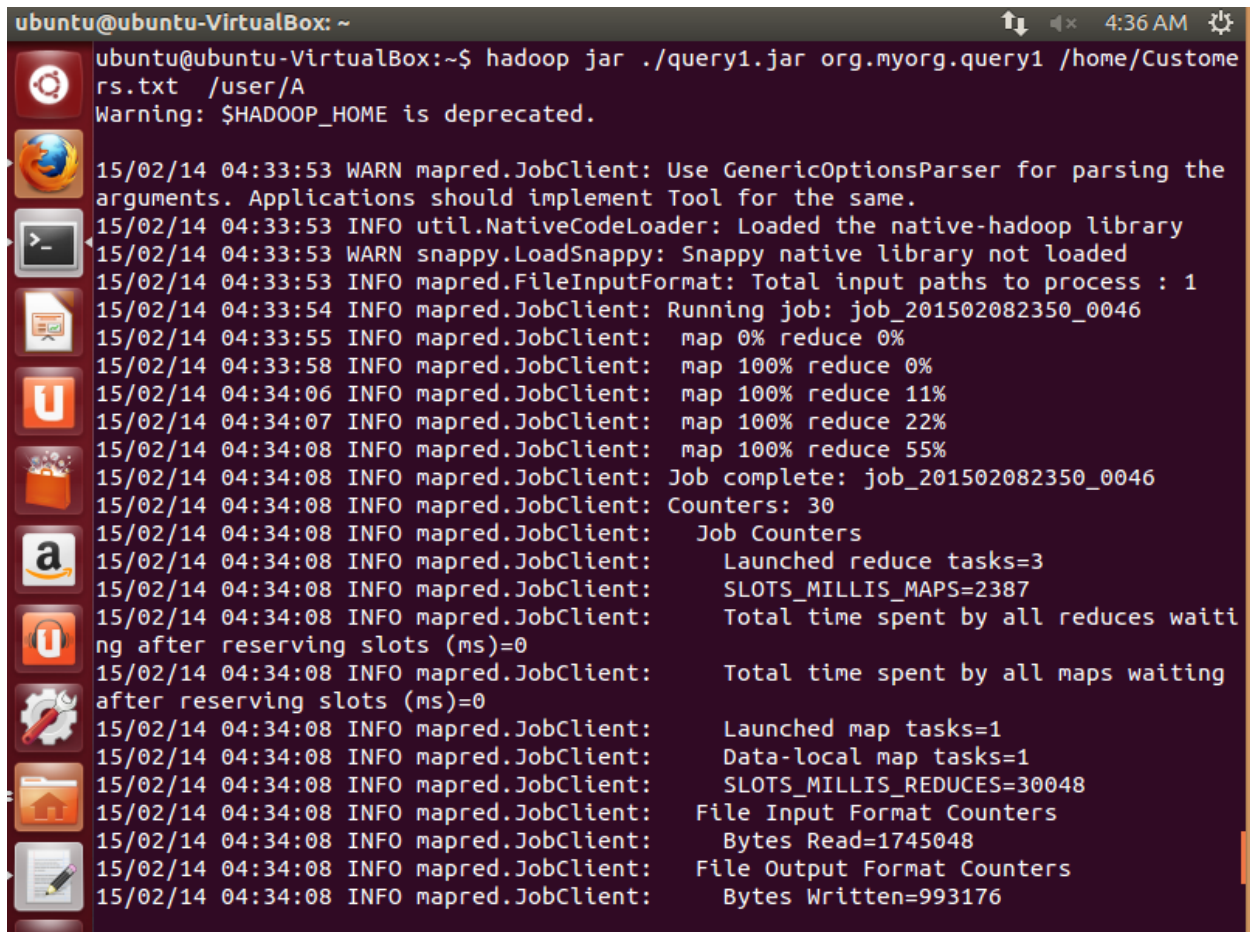


# DOCUMENTATION FOR PROJECT-1

All queries are written in JAVA and run on **HADOOP-1.1.0**

The screenshots of the output and the terminal for the queries are as follows:

## QUERY-1



```
ubuntu@ubuntu-VirtualBox: ~
ubuntu@ubuntu-VirtualBox:~$ hadoop jar ./query1.jar org.myorg.query1 /home/Customer.txt /user/A
Warning: $HADOOP_HOME is deprecated.

15/02/14 04:33:53 WARN mapred.JobClient: Use GenericOptionsParser for parsing the arguments. Applications should implement Tool for the same.
15/02/14 04:33:53 INFO util.NativeCodeLoader: Loaded the native-hadoop library
15/02/14 04:33:53 WARN snappy.LoadSnappy: Snappy native library not loaded
15/02/14 04:33:53 INFO mapred.FileInputFormat: Total input paths to process : 1
15/02/14 04:33:54 INFO mapred.JobClient: Running job: job_201502082350_0046
15/02/14 04:33:55 INFO mapred.JobClient: map 0% reduce 0%
15/02/14 04:33:58 INFO mapred.JobClient: map 100% reduce 0%
15/02/14 04:34:06 INFO mapred.JobClient: map 100% reduce 11%
15/02/14 04:34:07 INFO mapred.JobClient: map 100% reduce 22%
15/02/14 04:34:08 INFO mapred.JobClient: map 100% reduce 55%
15/02/14 04:34:08 INFO mapred.JobClient: Job complete: job_201502082350_0046
15/02/14 04:34:08 INFO mapred.JobClient: Counters: 30
15/02/14 04:34:08 INFO mapred.JobClient: Job Counters
15/02/14 04:34:08 INFO mapred.JobClient: Launched reduce tasks=3
15/02/14 04:34:08 INFO mapred.JobClient: SLOTS_MILLIS_MAPS=2387
15/02/14 04:34:08 INFO mapred.JobClient: Total time spent by all reduces waiting after reserving slots (ms)=0
15/02/14 04:34:08 INFO mapred.JobClient: Total time spent by all maps waiting after reserving slots (ms)=0
15/02/14 04:34:08 INFO mapred.JobClient: Launched map tasks=1
15/02/14 04:34:08 INFO mapred.JobClient: Data-local map tasks=1
15/02/14 04:34:08 INFO mapred.JobClient: SLOTS_MILLIS_REDUCE=30048
15/02/14 04:34:08 INFO mapred.JobClient: File Input Format Counters
15/02/14 04:34:08 INFO mapred.JobClient: Bytes Read=1745048
15/02/14 04:34:08 INFO mapred.JobClient: File Output Format Counters
15/02/14 04:34:08 INFO mapred.JobClient: Bytes Written=993176
```

**File: [/user/OUTPUT11](#)/part-r-00000**

Goto :

[Go back to dir listing](#)

[Advanced view/download options](#)

```
2      5469,30875.996,72084.555
5      5542,29160.416,72895.72
8      5494,32333.69,73459.305
|
```

## QUERY-2

```
ubuntu@ubuntu-VirtualBox: ~  
ubuntu@ubuntu-VirtualBox:~$ hadoop jar ./query1.jar org.myorg.query2 /home/Transac  
tions.txt /user/B  
Warning: $HADOOP_HOME is deprecated.  
15/02/14 04:36:54 WARN mapred.JobClient: Use GenericOptionsParser for parsing the  
arguments. Applications should implement Tool for the same.  
15/02/14 04:36:54 INFO util.NativeCodeLoader: Loaded the native-hadoop library  
15/02/14 04:36:54 WARN snappy.LoadSnappy: Snappy native library not loaded  
15/02/14 04:36:54 INFO mapred.FileInputFormat: Total input paths to process : 1  
15/02/14 04:36:54 INFO mapred.JobClient: Running job: job_201502082350_0047  
15/02/14 04:36:55 INFO mapred.JobClient: map 0% reduce 0%  
15/02/14 04:37:03 INFO mapred.JobClient: map 25% reduce 0%  
15/02/14 04:37:11 INFO mapred.JobClient: map 36% reduce 0%  
15/02/14 04:37:14 INFO mapred.JobClient: map 46% reduce 0%  
15/02/14 04:37:16 INFO mapred.JobClient: map 46% reduce 8%  
15/02/14 04:37:18 INFO mapred.JobClient: map 50% reduce 8%  
15/02/14 04:37:24 INFO mapred.JobClient: map 68% reduce 8%  
15/02/14 04:37:25 INFO mapred.JobClient: map 68% reduce 16%  
15/02/14 04:37:27 INFO mapred.JobClient: map 75% reduce 16%  
15/02/14 04:37:31 INFO mapred.JobClient: map 75% reduce 19%  
15/02/14 04:37:35 INFO mapred.JobClient: map 98% reduce 22%  
15/02/14 04:37:38 INFO mapred.JobClient: map 100% reduce 22%  
15/02/14 04:37:42 INFO mapred.JobClient: map 100% reduce 27%  
15/02/14 04:37:45 INFO mapred.JobClient: map 100% reduce 38%  
15/02/14 04:37:48 INFO mapred.JobClient: map 100% reduce 69%  
15/02/14 04:37:51 INFO mapred.JobClient: map 100% reduce 86%  
15/02/14 04:37:54 INFO mapred.JobClient: map 100% reduce 89%  
15/02/14 04:37:54 INFO mapred.JobClient: Job complete: job_201502082350_0047  
15/02/14 04:37:54 INFO mapred.JobClient: Counters: 30  
15/02/14 04:37:54 INFO mapred.JobClient: Job Counters
```



localhost:50198/browseBlock.jsp?blockId=-520317597

**File:** [/user/A/part-00000](#)

Ubuntu Software Center

go

[Go back to dir listing](#)

[Advanced view/download options](#)

[View Next chunk](#)

```
3 1989,hiytdpdfdpe,62,3,3145.5955
3 19610,cdqbbomhsegg,61,3,6472.474
3 19608,xmhypyvuqtshp,69,3,230.39603
3 19605,bvucsyggswlnq,64,3,8463.567
3 19599,urnmhfgilrp,61,3,9327.242
3 10052,pecjwqyjllucbyd,68,3,2203.8455
3 19592,mpixqyfirwqnbca,64,3,4561.0425
3 19542,wrppyjbibswr,61,3,2106.2075
3 19538,hxjviqcdoaw,61,3,3513.0544
3 10063,seoxsqyqeyhb,69,3,3104.126
3 1992,hemsvgwrdu,65,3,2119.479
3 19505,gdwvxvqqkr,69,3,8131.3745
3 19494,fvonjfcemlw,67,3,234.41214
3 19491,shwtgqyqskcr,64,3,1116.8154
3 19490,qtdeywelnnsayk,62,3,8087.125
3 19486,uprciactooofnkc,67,3,3929.7053
3 19483,bcxkbguvaf1,68,3,2187.775
3 19473,ndgvffxbgbg,62,3,7971.942
3 44451,sclplkqtbjwv,68,3,2027.6067
3 10075,mocaliwqicdbhr,66,3,4389.5977
```

## QUERY-3

```
ubuntu@ubuntu-VirtualBox:~$ hadoop jar ./query1.jar org.myorg.query3 /home/Custome
rs.txt /home/Transactions.txt /user/C
Warning: $HADOOP_HOME is deprecated.

15/02/14 04:42:16 WARN mapred.JobClient: Use GenericOptionsParser for parsing the
arguments. Applications should implement Tool for the same.
15/02/14 04:42:16 INFO util.NativeCodeLoader: Loaded the native-hadoop library
15/02/14 04:42:16 WARN snappy.LoadSnappy: Snappy native library not loaded
15/02/14 04:42:16 INFO mapred.FileInputFormat: Total input paths to process : 2
15/02/14 04:42:17 INFO mapred.JobClient: Running job: job_201502082350_0048
15/02/14 04:42:18 INFO mapred.JobClient: map 0% reduce 0%
15/02/14 04:42:27 INFO mapred.JobClient: map 19% reduce 0%
15/02/14 04:42:29 INFO mapred.JobClient: map 20% reduce 0%
15/02/14 04:42:36 INFO mapred.JobClient: map 29% reduce 0%
15/02/14 04:42:39 INFO mapred.JobClient: map 38% reduce 2%
15/02/14 04:42:40 INFO mapred.JobClient: map 38% reduce 6%
15/02/14 04:42:41 INFO mapred.JobClient: map 40% reduce 6%
15/02/14 04:42:48 INFO mapred.JobClient: map 55% reduce 8%
15/02/14 04:42:49 INFO mapred.JobClient: map 55% reduce 13%
15/02/14 04:42:51 INFO mapred.JobClient: map 60% reduce 13%
15/02/14 04:42:54 INFO mapred.JobClient: map 60% reduce 15%
15/02/14 04:42:55 INFO mapred.JobClient: map 60% reduce 20%
15/02/14 04:42:58 INFO mapred.JobClient: map 78% reduce 20%
15/02/14 04:43:01 INFO mapred.JobClient: map 80% reduce 20%
15/02/14 04:43:03 INFO mapred.JobClient: map 100% reduce 20%
15/02/14 04:43:11 INFO mapred.JobClient: map 100% reduce 36%
15/02/14 04:43:12 INFO mapred.JobClient: map 100% reduce 58%
15/02/14 04:43:15 INFO mapred.JobClient: map 100% reduce 81%
15/02/14 04:43:18 INFO mapred.JobClient: map 100% reduce 94%
15/02/14 04:43:20 INFO mapred.JobClient: map 100% reduce 96%
15/02/14 04:43:21 INFO mapred.JobClient: map 100% reduce 100%
```



localhost:50198/browseBlock.jsp?blockId=354699398! ☆ ▼

**File: [/user/B/part-00000](#)**

Goto :

[Go back to dir listing](#)

[Advanced view/download options](#)

[View Next chunk](#)

3	109,55209.41218185425
6	98,50974.17621898651
9	106,52011.24709510803
12	115,59043.28196334839
15	98,48774.891078948975
18	106,49062.52010822296
21	79,41523.31838417053
24	113,55761.56512451172
27	94,54967.48892211914
30	102,47917.45586967468
33	98,53175.69994354248
36	101,51805.11179351807
39	93,45679.72164154053
42	88,43134.34033489227
45	101,51919.840101242065
48	100,54040.66958999634
51	110,56420.49616241455
54	106,52362.803320884705
57	117,62773.59324455261
60	103,53217.43459892273



## QUERY-4

```
ubuntu@ubuntu-VirtualBox: ~
ubuntu@ubuntu-VirtualBox:~$ hadoop jar ./query1.jar org.myorg.query4 /home/Transac
tions.txt /user/QUERY4SUCKS
Warning: $HADOOP_HOME is deprecated.

15/02/14 04:25:33 INFO input.FileInputFormat: Total input paths to process : 1
15/02/14 04:25:33 INFO util.NativeCodeLoader: Loaded the native-hadoop library
15/02/14 04:25:33 WARN snappy.LoadSnappy: Snappy native library not loaded
15/02/14 04:25:33 INFO mapred.JobClient: Running job: job_201502082350_0045
15/02/14 04:25:34 INFO mapred.JobClient: map 0% reduce 0%
15/02/14 04:25:43 INFO mapred.JobClient: map 25% reduce 0%
15/02/14 04:25:51 INFO mapred.JobClient: map 38% reduce 0%
15/02/14 04:25:54 INFO mapred.JobClient: map 48% reduce 2%
15/02/14 04:25:57 INFO mapred.JobClient: map 49% reduce 2%
15/02/14 04:25:58 INFO mapred.JobClient: map 49% reduce 8%
15/02/14 04:26:01 INFO mapred.JobClient: map 49% reduce 11%
15/02/14 04:26:03 INFO mapred.JobClient: map 64% reduce 13%
15/02/14 04:26:04 INFO mapred.JobClient: map 64% reduce 16%
15/02/14 04:26:06 INFO mapred.JobClient: map 73% reduce 16%
15/02/14 04:26:08 INFO mapred.JobClient: map 74% reduce 16%
15/02/14 04:26:15 INFO mapred.JobClient: map 92% reduce 16%
15/02/14 04:26:16 INFO mapred.JobClient: map 92% reduce 19%
15/02/14 04:26:17 INFO mapred.JobClient: map 92% reduce 22%
15/02/14 04:26:18 INFO mapred.JobClient: map 100% reduce 22%
15/02/14 04:26:19 INFO mapred.JobClient: map 100% reduce 25%
15/02/14 04:26:23 INFO mapred.JobClient: map 100% reduce 27%
15/02/14 04:26:27 INFO mapred.JobClient: map 100% reduce 41%
15/02/14 04:26:29 INFO mapred.JobClient: map 100% reduce 44%
15/02/14 04:26:30 INFO mapred.JobClient: map 100% reduce 61%
15/02/14 04:26:32 INFO mapred.JobClient: map 100% reduce 72%
15/02/14 04:26:33 INFO mapred.JobClient: map 100% reduce 78%
15/02/14 04:26:35 INFO mapred.JobClient: map 100% reduce 81%
```

**File: [/user/C/part-00000](#)**

Goto :

[Go back to dir listing](#)

[Advanced view/download options](#)

[View Next chunk](#)

```
10001 vplpawphdicrot,4177.1562 , 101 , 50585.215,0
10004 hrevymslqcy,9698.743 , 96 , 51355.457,0
10007 ijelnqbivrx,3207.0505 , 100 , 53828.336,0
1001 oqhbrcgctoc,913.9233 , 92 , 49420.992,0
10010 tmwuefcelnkxtd,5249.019 , 116 , 59314.99,0
10013 nuydlunqxry,9584.071 , 118 , 61636.195,0
10016 idevxxxoqms,2704.9175 , 97 , 43523.723,0
10019 xsmwhkgeyfdlv,5276.166 , 110 , 56402.336,0
10022 ntxxfwuovpfa,7756.3247 , 102 , 53843.133,0
10025 mwlbpbbligbcwt,5522.647 , 82 , 44378.043,0
10028 xgxyimsbjfx,6471.5034 , 100 , 52511.83,0
10031 wxoyjvobmjkd,8831.095 , 112 , 58413.816,0
10034 bqilrmilldam,5790.1294 , 110 , 54347.082,0
10037 dtxthxodiimbrmac,758.4085 , 105 , 57253.184,0
1004 vhtwxomrqvoew,3734.6187 , 116 , 54600.42,0
10040 hktqhgrfvl,2585.179 , 104 , 52334.527,0
10043 expmxtngktmx,9168.135 , 99 , 49987.938,0
10046 f...ckddwck,4446.2705 , 86 , 41615.703,0
10049 qsnhg,9232.521 , 85 , 40425.348,0
10052 pecjwqyjllucbyd,2203.8455 , 92 , 47847.355,0
```

Trash