INFSCI 2750 - Miniproject 1: Outputs Part 3 and Part 4

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Part 3: Hadoop program that produces the n-gram frequencies of the text

Input txt file: ngram.txt (Attached with submission): "Lorem ipsum dolor sit amet, consectetur"

N-gram frequencies output:

N=1

```
student@CC-MON-3:~/Mini_proj_1$ hdfs dfs -cat Mini_proj_1/output/NGramFrequencies/part-r-00000
2020-02-14 03:44:57,942 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
```



Part 4: Hadoop program to analyze real logs

Q1. How many hits were made to the website item "/assets/img/home-logo.png"?

Hits: 98744

[student@CC-MON-3:<u>\/Mini_proj</u>_1\$ hdfs dfs -cat Mini_proj_1/output/HomelogoPageHits/part-r-00000 2020-02-14 03:20:09,376 INFO saslSaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false /assets/img/home-logo.png 98744

Q2. How many hits were made from the IP: 10.153.239.5

Hits: 547

[student@CC-MON-3:~/Mini_proj_1\$ hdfs dfs -cat Mini_proj_1/output/HitsByAnyIP/part-r-00000
2020-02-14 03:21:44,248 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
10.153.239.5 547

Q3. Which path in the website has been hit most? How many hits were made to the path?

Path: http://www.the-associates.co.uk/trailers/?p=1&r=&l=&o=/

Number of hits: 117348

student@CC-MON-3:~/Mini_proj_1\$ hdfs dfs -cat Mini_proj_1/output/MostHitsByPage/part-r-00000 2020-02-14 03:25:32,414 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false http://www.the-associates.co.uk/trailers/?o=16x=61=50= 117348

Q4. Which IP accesses the website most? How many accesses were made by it?

IP: 10.216.113.172

Number of Accesses: 158614

student@CC-MON-3:~/Mini_proj_1\$ hdfs dfs -cat Mini_proj_1/output/MostHitsByIP/part-r-00000
2020-02-14 03:28:44,228 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
10.216.113.172 158614