DSCI 551 Kayvan Shah

Homework 3

Question 3.a

Question 3.b

```
mysql> SELECT name
    -> FROM inode
    -> WHERE permission LIKE "%6%";
name
  a.txt
  b.txt
  capacity-scheduler.xml
  core-site.xml
  hadoop-policy.xml
hdfs-site.xml
  httpfs-site.xml
  kms-acls.xml
  kms-site.xml
  mapred-site.xml
  yarn-site.xml
  capacity-scheduler.xml
  core-site.xml
  hadoop-policy.xml
  hdfs-site.xml
  httpfs-site.xml
  kms-acls.xml
  kms-site.xml
  mapred-site.xml
  yarn-site.xml
  capacity-scheduler.xml
  core-site.xml
  hadoop-policy.xml
  hdfs-site.xml
  httpfs-site.xml
  kms-acls.xml
  kms-site.xml
  mapred-site.xml
  yarn-site.xml
29 rows in set (0.00 sec)
```

DSCI 551 Kayvan Shah

Question 3.c

<pre>mysql> SELECT i.id, -></pre>			
id name	numBytes		
16389 a.txt 16390 b.txt 16390 b.txt 16392 capacity-schedul 16393 core-site.xml 16394 hadoop-policy.xm 16395 hdfs-site.xml 16396 httpfs-site.xml 16397 kms-acls.xml 16398 kms-site.xml 16399 mapred-site.xml 16400 yarn-site.xml 16403 capacity-schedul 16404 core-site.xml 16405 hadoop-policy.xm 16406 hdfs-site.xml 16407 httpfs-site.xml 16408 kms-acls.xml 16409 kms-site.xml 16410 mapred-site.xml 16411 yarn-site.xml 16414 capacity-schedul 16415 core-site.xml 16416 hadoop-policy.xm 16416 hadoop-policy.xm 16417 hdfs-site.xml 16418 httpfs-site.xml 16418 httpfs-site.xml 16419 kms-acls.xml	19 19 19 19 19 19 19 19		
16420 kms-site.xml 16421 mapred-site.xml 16422 yarn-site.xml +	682 758 690		

Question 3.d

mysql> SELECT i.id,			
-> i.name,			
-> count(d.child) as num_obj			
, ,			
-> from inode as i			
-> JOIN directory d ON i.id = d.parent			
-> GROUP BY i.id,			
-> i.name;			
++			
id	name	num_obj	
++			
16385		1	
16386	user	1	
16387	ec2-user	5	
16388	input1	1	
16391	input	9	
16401	inf551	1	
16402	input	9	
16412	inf351	1	
16413	input	9	
++			
9 rows in set (0.00 sec)			
	•		

DSCI 551 Kayvan Shah

Question 3.e