

NAME: Rayed Muhammad Saeed

ROLL NO: 20i-1822

DEGREE: BSCS

SECTION: F

SUBJECT: Parallel and Distributied Computing

SUBMITTED TO: Sir Aleem

SUBJECT CODE: CS-3006

ASSIGNMENT NO: 4

DATE: 7th April 2023

Report for Assignment 4

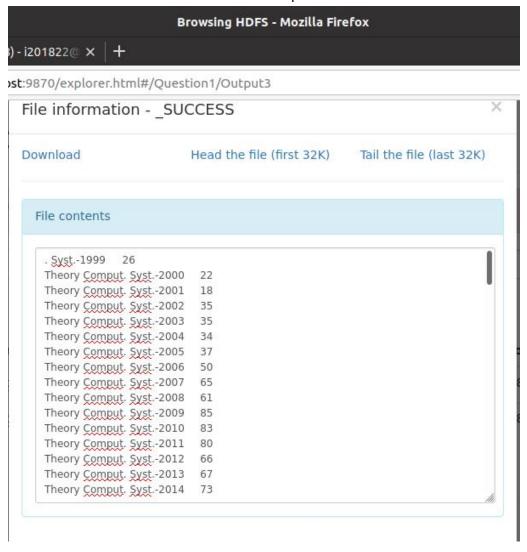
Question Number 1:

In this question we were tasked with picking the journal and year and counting the number of occurrences in it.

This was done via a hadoop MapReduce program run on the dblp dataset.

Below is the screenshot of the results:

This is the result in the localhost:9870 hadoop



6 Apr 02:25 Browsing HDFS - Mozilla Firefox) - i201822@ × +

st:9870/explorer.html#/Question1/Output3

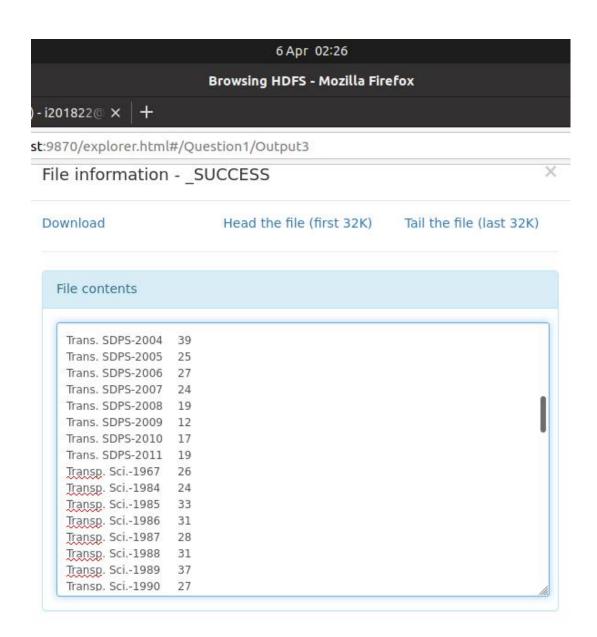
File information - SUCCESS

Download

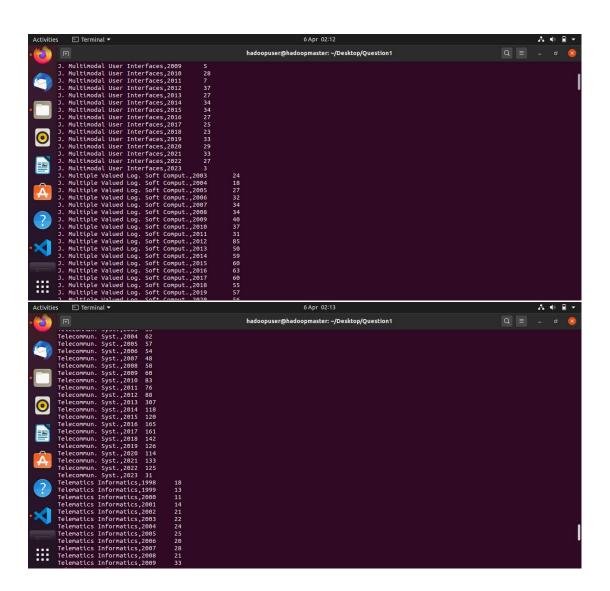
Head the file (first 32K)

Tail the file (last 32K)

File contents ACM J. Exp. Algorithmics-2003 ACM J. Exp. Algorithmics-2004 6 ACM J. Exp. Algorithmics-2005 15 ACM J. Exp. Algorithmics-2006 17 ACM J. Exp. Algorithmics-2007 ACM J. Exp. Algorithmics-2008 32 ACM J. Exp. Algorithmics-2009 28 ACM J. Exp. Algorithmics-2010 ACM J. Exp. Algorithmics-2011 23 ACM J. Exp. Algorithmics-2012 16 ACM J. Exp. Algorithmics-2013 14 ACM J. Exp. Algorithmics-2014 ACM J. Exp. Algorithmics-2015 7 ACM J. Exp. Algorithmics-2016 18 ACM J. Exp. Algorithmics-2017 7 ACM J. Exp. Algorithmics-2018 14



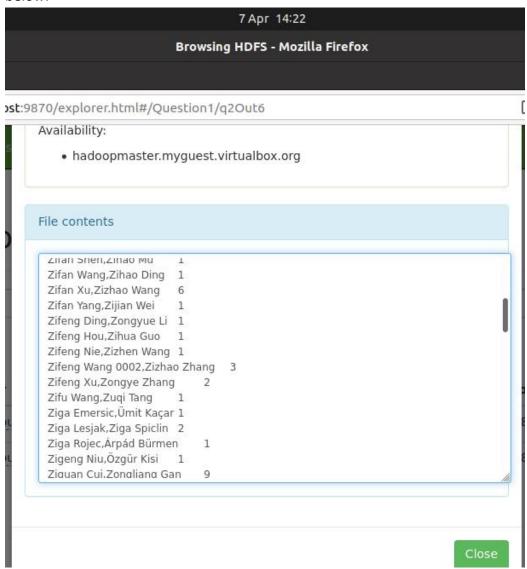
This is the same output on the shown on the terminal:



Question Number 2:

In this question we were to form key value pairs in which the key was the author pairs and the value was 1 for each author pair.

The output of the question is shown below:



7 Apr 14:22

Browsing HDFS - Mozilla Firefox

st:9870/explorer.html#/Question1/q2Out6

Availability:

hadoopmaster.myguest.virtualbox.org

File contents

Zongjie Cao,Zongyong Cui 29
Zongkai Yang,Zuoyin Tang 1
Zongkang Jiang,Zu-Min Wang 1
Zongli Li,Zuoqing Zhang 1
Zongli Lin,Zongyu Zuo 4
Zonglin Jiang,Zongmin Hu 1
Zongming Liu,Zuozhen Liu 2
Zongming Lv,Zufan Zhang 2
Zongming Wang,Zuofang Yao 1
Zongqing Lu,Zuodong Yang 1
Zongwen Fan,Zuli Wang 0001 2
Zongwu Niu,Zongyuan Wu 1
Zongyue Wang,Zuning Jiang 2

close

7 Apr 14:22 Browsing HDFS - Mozilla Firefox

st:9870/explorer.html#/Question1/q2Out6

Availability: · hadoopmaster.myguest.virtualbox.org File contents Zichao Yang, Zilong Yang 1 Zichao Yang, Ziyu Wang 0001 1 Zichao Zhao, Zizhi Wang 1 Zichao Zhao, Zou Dan 1 Zichen Deng,Zilu Cao 2 Zichen Fan, Ziru Li 2 Zichen Jiang, Zongmao Cheng 1 Zichen Liu, Ziyang Liao 1 Zichen Ma, Zihan Lu 2 Zicheng Duan, Zixiang Ding 1 Zicheng Liu 0001, Zixin Zhu 1 Zicheng Liu 0001, Ziyu Jiang 1 Zicheng Liu 0006, Zihan Liu 2 Zicheng Wang, Zijun Bi 1

Close

st:9870/explorer.html#/Question1/q2Out6

Availability:

· hadoopmaster.myguest.virtualbox.org

File contents

Özge A. Kale,Özge Andiç-Çakir 1
Özge Sahin Zorluoglu,Özgür Kabak 1
Özgül Vupa,Özlem Ege Oruç 1
Özgür Armaneri,Özgür Yalçinkaya 1
Özgür Asar,Özlem Ilk 4
Özgür B. Akan,Özgür Ergül 7
Özgür Erçetin,Özgür Gürbüz 8
Özgür Oruç,Ümit Aygölü 2
Özgür Ulusoy,Özlem Nurcan Subakan 1
Özgür Yilmaz,Ümit Keles 1
Özgür Çelik,Ümit Çetinkaya 1
Özlem Alpu,Özlem Oktal 1
Özlem Küçükhüseyin,Ümit Zeybek 1

Özlem Yilmaz,Özlem Çavus

Close