SEARCH (Z534)
FALL 2017
Assignment III
Snehal Vartak

Task 1:

Code File: authorRank.java

Instructions to run the code –

Update the path for the graph file and index by modifying the value of variables "graphFile" and "indexPath" in the code.

- indexPath points to the index
- graphFile is the path to the author.net file.

Top 10 Ranked Authors:

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Top 10 Ranked Authors are (Author Name, Author id):
Pat  Hanrahan , 5284
Jason  Cong , 875
D. F. Wong , 654
Alberto L. Sangiovanni-Vincentelli , 595
Christos  Faloutsos , 16297
Robert K. Brayton , 764
Rajive  Bagrodia , 23770
Josep  Torrellas , 34659
Nikil D. Dutt , 28421
Raghu  Ramakrishnan , 31637
```

Task 2:

Code File: authorRankWithQuery.java

Instructions to run the code –

Update the path for the index and graph file by modifying the value of variables "indexPath" and "graphFile" in the code.

- indexPath points to the index
- graphFile is the path to the author.net file.

Top 10 Ranked Authors for Queries:

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Top 10 Ranked Authors are (Author Name, Score) for Data Mining:
Christos  Faloutsos  0.05703077386881422
Jimeng  Sun  0.030882387318582484
Dimitrios  Gunopulos  0.030611811460282752
Spiros  Papadimitriou  0.030237131042244354
Johannes  Gehrke  0.027186515345726737
Hans-Peter  Kriegel  0.023293237224281338
Aristides  Gionis  0.0158288953943659
Michail  Vlachos  0.014034950616211584
Marios  Hadjieleftheriou  0.012492658861897531
Heikki  Mannila  0.011138171253711582

Top 10 Ranked Authors are (Author Name, Score) for Information Retrieval:
Christos  Faloutsos  0.043101491337010772
Hans-Peter  Kriegel  0.022605473714020146
Wei-Ying  Ma  0.018302834825199503
Volker  Tresp  0.017606264983262798
Kai  Yu  0.017500830251083035
Kathryn S. McKinley  0.016678522805470605
Dimitrios  Gunopulos  0.016563336124303357
Shipeng  Yu  0.01464246980680203
Raghu  Ramakrishnan  0.014130227392377983
Zhao  Xu  0.014013989406779032
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