Description: Versions used: Spark- 2.2.1 Python- 2.7
Please install "networkx" before running the following programs.
1. Commands to execute the program: (Task-1) – (Betweenness):
bin\spark-submit Prashanth_Manja_Betweenness.py < path_of_the_ratings.csv_file >
Example:
bin\spark-submit Prashanth_Manja_Betweenness.py \data\ratings.csv
Runtime: 75s
2. Commands to execute the program: (Task-2) – (Community):
bin\spark-submit Prashanth_Manja_Community.py < path_of_the_ratings.csv_file >
Example:
bin\spark-submit Prashanth_Manja_Community.py \data\ratings.csv
Runtime: 430s
3.Bonus:
Python:
bin\spark-submit Prashanth_Manja_Bonus_Community.py < path_of_the_ratings.csv_file >
Example:
bin\spark-submit Prashanth_Manja_Bonus_Community.py \data\ratings.csv
Scala:
*Please include the library "ml.sparkling.graph.operators"
bin\spark-submitclass Prashanth_Manja_Bonus_Communities <jar-file-path> <inputpath-including 'ratings.csv'=""></inputpath-including></jar-file-path>