**NodeIterator**

**Environment :**

Hadoop 2.7, Single node cluster and 5 node cluster(AWS), Ubuntu 16.04

**Steps to Execute:**

1. Compile using the below command

bin/hadoop com.sun.tools.javac.Main NodeIterator.java

1. Jar the class files

jar -cvf NodeIterator.jar NodeIterator\*.class

1. Create input directory in distributed file system

bin/hadoop dfs -mkdir /input

1. Copy the input file to the input directory

bin/hadoop dfs -copyFromLocal input.dat /input/

1. Execute the code using the below command

bin/Hadoop jar NodeIterator.jar NodeIterator /input/ <out1> <out2> <out3>

out1,out2,out3 – specify the 3 output paths and the final output will be displayed in out3.

Each line in the output file will have the vertex Id and number of triangles among its neighbors.