TokenizerMapper → IntSumReducer → sortingMapper → sortingKey → CountingTopK → sortingReducer
TokenizerMapper class is the first mapper to filters out the revision id that was edited between
the two given dates. IntSumReducer class increments the count of a Revision that has been
retrieved and writes into output. sortingMapper class is the second mapper which creates
sortingKey object for each item retrieved from the first map and reduce process which
automatically sort through a method in sortingKey. sortingKey class implements
WritableComparable to sort the data retrieved according to count and revision id respectively.
sortingReducer class is the second reducer which prints the top k results using the
CountingTopK enum. CountingTopK enum that acts like a counter for checking if the K amount
of results have been written

K = 50	Set 1	Set 2	Set 3
Query processing time	6883690	6854870	6921220
Bytes Read (HDFS)	31290382277	31290382277	31290382277
Bytes Transferred	161982323	161982323	161982323

K = 500	Set 1	Set 2	Set 3
Query processing time	6922290	6873560	6951330
Bytes Read (HDFS)	31290382277	31290382277	31290382277
Bytes Transferred	161982323	161982323	161982323

K = 50	Query processing time (Milliseconds)	Bytes read from HDFS (Bytes)	Bytes transferred over network (Bytes)
Mean Value	6886593	31290382277	161982323
Standard Deviation	33270	0	0

K = 500	Query processing time (Milliseconds)	Bytes read from HDFS (Bytes)	Bytes transferred over network (Bytes)
Mean Value	6922290	31290382277	161982323
Standard Deviation	39298	0	0

Command Arguments -

javac-run.sh -source 1.7 -target 1.7 MapReduce.java

jar -cvf MapReduce.jar MapReduce*.class

setenv HADOOP_CLASSPATH MapReduce.jar

java-run.sh MapReduce <input> <output> <startdate> <enddate> <k>

After every run of the process please remove the OutputTest folder before continuing with the next run **Reference**: https://tutorials.techmytalk.com/2014/11/14/mapreduce-composite-key-operation-part2/