Java programming test

This problem requires that you write Java code to perform the logical equivalent of:

SELECT t1.x,SUM(t1.y),SUM(t2.y)

FROM t1 INNER JOIN t2 ON (t1.z=t2.z)

WHERE t1.z >0

GROUP BY t1.x

ORDER BY 3 DESC

Using the files t1.json and t2.json as input data. Files are available at <https://github.com/SouthbankSoftware/public/blob/master/CodingTest/CodingTest.tgz>

You can assume that values of z are unique in t1, but not in t2; t2 has about 3 times as many rows as t1.

Success criteria are (a) correctness of the result, (b) execution time and (c) memory consumption. The size of the input files is expected to increase steadily over time – it’s important that performance scales at worst linearly as the data sets increase in size.

Write a test case that validates the total number of rows returned and the number of distinct values of x expected. The test case does not have to be performant.

Build and test should be implemented using Maven 3.0

Upload the test results to a github repository (you can create a free responsitory if you don’t have one). We should be able to execute your code by using “git clone” and “mvn” commands