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BIG DATA PROGRAMMING

IN CLASS PROGRAMMING 3

NAME: RAJESHWARI CHOLLETI

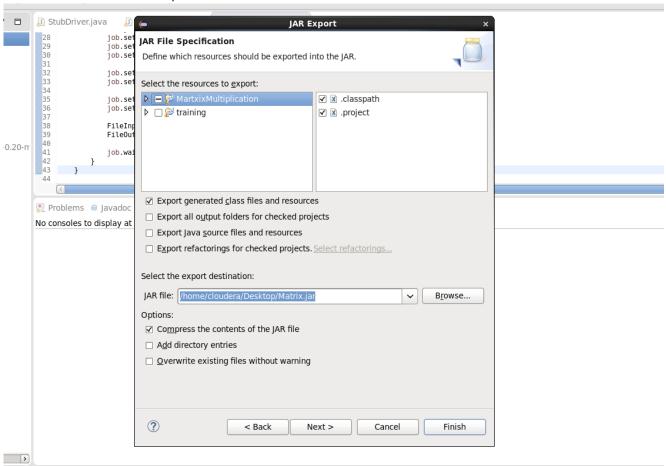
[™] CLASS ID: 05

OBJECTIVE :PROGRAM TO PERFORM MAP-REDUCE OPERATION USING THE CONCEPT OF MAP-REDUCE

IMPORT THE JAR FILES

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We need to load the required Jar files



MAPPER FUNCTION

Mapper class extends org.apache.hadoop.mapreduce.Mapper class. Mapper function converts the input Matrix into a intermediate format such that each list (i,j) has values with M and N for all possible values of j.

REDUCER FUNCTION

Reducer class, extends org.apache.hadoop.mapreduce.Reducer class. Reducer function will combine the output from Mapper function. It sorts them with respect to M and N. It then sums up the multiplication results for both M and N.

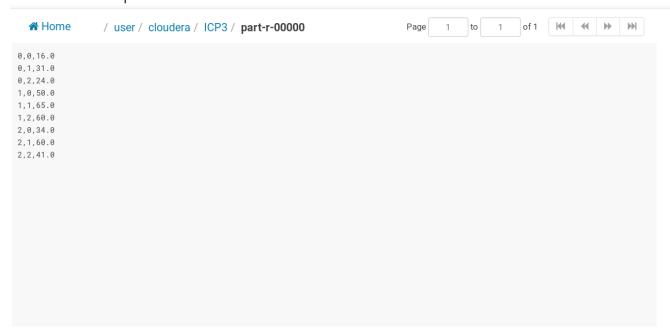
MAIN FUNCTION

Here we are calling all the libraries and functions for the matrix multiplication.

OUTPUT

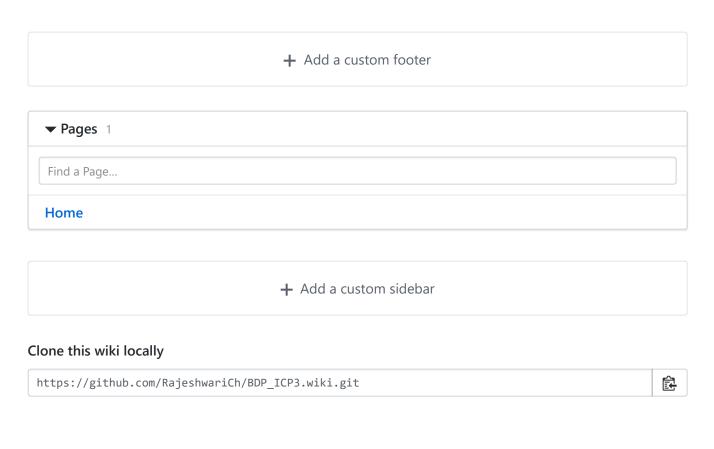
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Below is the output.



REFERENCES

https://lendap.wordpress.com/2015/02/16/matrix-multiplication-with-mapreduce/



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