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MatrixMultiplication.java

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/*****
/
/      filename:  MatrixMultiplication.java
/
/      description:  This is the class that implements main that calls the
/                   individual matrix threads that create the product matrix.
/
/      author:  Paladino, Zac
/      login id: cps346-n1.16
/
/      class:  CPS 346
/      instructor:  Perugini
/      assignment:  PJ #3
/
/      assigned:  March 11, 2009
/      due:  April 15, 2009
/
/*****/
import java.lang.Object;
class MatrixMultiplication{
    static final int NUM_THREAD = 4;

    public static void main(String args[]){
        double matrixA[][] = {{1.0,0.0,2.0},{-1.0,3.0,1.0}};
        double matrixB[][] = {{3.0,1.0},{2.0,1.0},{1.0,0.0}};
        double[][] matrixP = new double[2][2];
        Barrier wall = new Barrier(NUM_THREAD);

        int count = 0;
        for(int i=0;i<2;i++){
            for(int k=0;k<2;k++){
                (new Thread(new MatrixThread(i,k,count,NUM_THREAD,matrixA,matrixB,matrixP,wall))).start();
                count++;
            }
        }
    }
}

```