API Document

public MapDataDrawer(String filename, int rows, int cols){

initialize grid

read the data from the file into the grid

}

public int findMinValue(){

return the min value in the entire grid

}

public int findMaxValue(){

return the max value in the entire grid

}

public int indexOfMinInCol(int col){

return the index of the row with the lowest value in the given col for the grid

}

public void drawMap(Graphics g){

Draws the grid using the given Graphics object.

Colors should be grayscale values 0-255, scaled based on min/max values in grid

}

public int drawLowestElevPath(Graphics g, int row){

Find a path from West-to-East starting at given row.

Choose a foward step out of 3 possible forward locations, using greedy method described in assignment.

return the total change in elevation traveled from West-to-East

}

public int indexOfLowestElevPath(Graphics g){

return the index of the starting row for the lowest-elevation-change path in the entire grid.

}