package exam;

import java.io.File;

import java.io.FileNotFoundException;

import java.util.Scanner;

import java.util.logging.Level;

import java.util.logging.Logger;

/\*\*

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\* @author gawitt

\*/

public class Exam {

public static double sqrt(double num, double lastGuess){

final double ERROR = 0.0001;

System.out.println("LastGuess: " + lastGuess);

double ans = 0;

if(Math.abs(num - lastGuess \* lastGuess) < ERROR){

double nextGuess = (lastGuess + (num / lastGuess) / 2.0);

//System.out.println("nextGuess: " + nextGuess);

return nextGuess;

}//if

else{

return sqrt(num,((lastGuess + (num / lastGuess)) / 2.0 ));

}//else

}//sqrt

// made Static to implement. included echo of infile.nextLine();

public static int countOut(){

int count = 0;

try{

File in = new File("data.txt");

Scanner infile = new Scanner(in);

while(infile.hasNext()){

String phrase = infile.nextLine(); //read 1st line of the file stored the projects folder

//echo

System.out.println(phrase);

for (int i = 0; i < phrase.length() - 3; i++) {

String word = phrase.substring(i, i + 3); // picks off characters to compare to the key word

if(word.equalsIgnoreCase("out"))

count++;

}//for

}//while

} catch (FileNotFoundException ex) {

Logger.getLogger(Exam.class.getName()).log(Level.SEVERE, null, ex);

}//catch

return count;

}//countOut

public static void main(String[] args) {

System.out.println("Word Count: " + countOut());

System.out.println("");

sqrt(26.0,1.0);

}//main

}//class

Output:

run:

All were out there, and some were still getting out.

Others were not out, but thinking of getting out or sitting out. They were verifying how many

were out.

The Verification statements were out early in the morning.

Word Count: 7

LastGuess: 1.0

LastGuess: 13.5

LastGuess: 7.712962962962963

LastGuess: 5.541955671157352

LastGuess: 5.116720163987656

LastGuess: 5.099050130180595

LastGuess: 5.099019513684702

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