Quiz Group 10 (C. Hash, K. Marino, K. Root, E. Rouse)

CS161 – Assignment #6/Quiz #11

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# Q1:

For one thing it doesn’t handle any exceptions very nicely. If the file doesn’t exist, or if it is formatted incorrectly it will die very ungracefully.

For another thing it can only process one person. Then it tallies all the other peoples time to that first person. Need to change the id and names and total hours to arrays and then assign each value to the corresponding variable to the right index in the array.

To fix that add the input.nextLine() to the bottom of the while loop to increment to the next line.

After adding that line though it skips the middle person. Because it is reading the integer as a double? I would change the id# to a string. But to stick with the given input, change the while loop to exclude the hasNextInt.

Revised Code:

**import** java.io.\*;

**import** java.util.\*;

**public** **class** Quiz\_11 {

**public** **static** **void** main(String[] args) **throws** FileNotFoundException {

Scanner input = **new** Scanner(**new** File("hours.txt"));

**while** (input.hasNext()) {

// process one person

String id = input.next();

String name = input.next();

**double** totalHours = 0.0;

**int** days = 0;

**while** (input.hasNextDouble() && !input.hasNextInt()) {

totalHours += input.nextDouble();

days++;

}

System.*out*.println(name + " (ID#" + id +") worked " + totalHours +

" hours (" + (totalHours / days) + " hours/day)");

input.nextLine();

}

}

}