

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();
        }
    }
}
```