

Lesson 4.08 — Finding & Fixing Errors

Overview

Objectives — *Students will be able to...*

- **Find** errors in their returned homework assignments.
- **Correct** their code

Assessments — *Students will...*

- **Re-submit** all homework assignments with corrected answers.

Homework — *Students will...*

- **Review** materials for the Magpie lab by:
 - **Reviewing** all the blue pages at the end of Chapter 7 and Chapter 10 (only the material for section 10.1 of Chapter 10)
- **Submit** 5 questions for review in class tomorrow using electronic survey
- **Update** all summaries in notebook for the upcoming notebook check

Materials & Prep

- **Any student homework assignments** that you have not yet returned
- **Student self-help system** (such as C2B4 or student pairing)
- **Electronic survey** for student review requests

The homework tonight asks students to submit 5 questions for review. Create an electronic survey for students to complete with 6 text fields, one for name, and 5 for questions they have about Ch. 7 and Ch. 10.1 content. Set a deadline by which time students must have submitted 5 questions from the chapters that they would like to see reviewed after completion of the Magpie lab. If students do not have questions, stipulate that they still have to submit something to receive credit, even if it is only questions they think other students may have.

You should score homework from LP 4.7 while students are working so you can turn back those assignments during this class period.

Pacing Guide

Section	Total Time
Bell-work and attendance	5min
Introduction and homework distribution	5min
Student work	35min
Students trade work, check, and submit	10min

Procedure

Today we continue reinforcing concepts and applying the tools, procedures, and code that were introduced last week. Students will have the opportunity to correct any incorrect homework or classwork assignments. If students did not have time to finish the homework from yesterday, you may allow them time to work on that today.

Bell-work and Attendance [5 minutes]

Introduction and Homework Distribution [5 minutes]

1. Return student homework packets, or have students place their returned homework in a pile on their desk.
2. Explain to students that they have the opportunity to get full credit on their homework grades by correcting them now, in class. Ask students for suggestions/ideas on how to make sure they don't miss any errors.

- a. By now students should be used to relying on their error checklist/algorithm.

Student Work [35 minutes]

Have students work individually to correct their homework grades.

- Offer time checks for students so they stay on task.
- If students have not finished homework assignments, allow them time today to complete these assignments to turn in for partial credit.

Students trade work, check, and turn in [10 minutes]

At the end of class, have students trade their homework assignments to evaluate each other's corrections before submission.

Accommodation and Differentiation

In ELL classrooms, pair students and allow them to work together to correct their work.

For those students who have nothing to correct (or finish very early), reward them with silent free time, or allow them to work on a free-choice programming project.

Forum discussion

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