

# 14. File I/O Live Code

CPSC 120: Introduction to Programming  
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# Agenda

0. Sign-in sheet
1. Q&A
2. File I/O Live Code

# 1. Q&A

# Q&A

Let's hear your questions about...

- This week's Lab
- Linux
- Any other issues

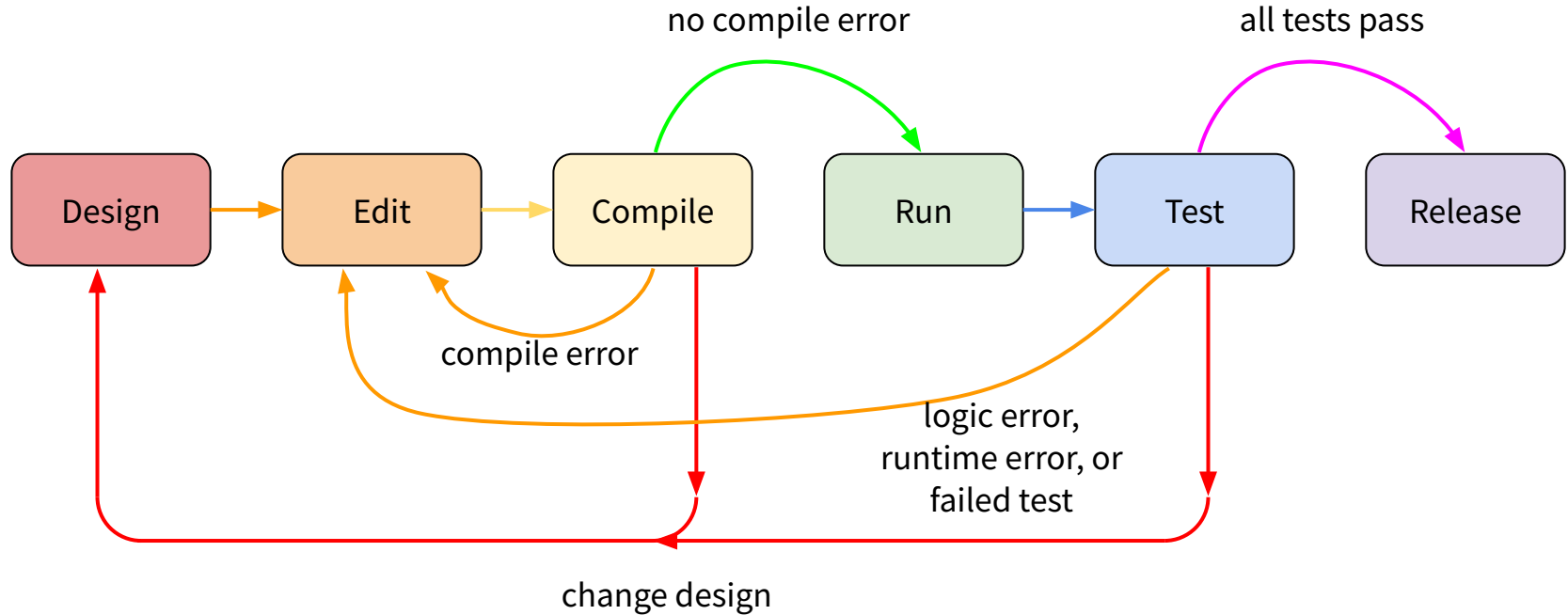
Reminder: write these questions in your notebook during lab

## 2. Live Code

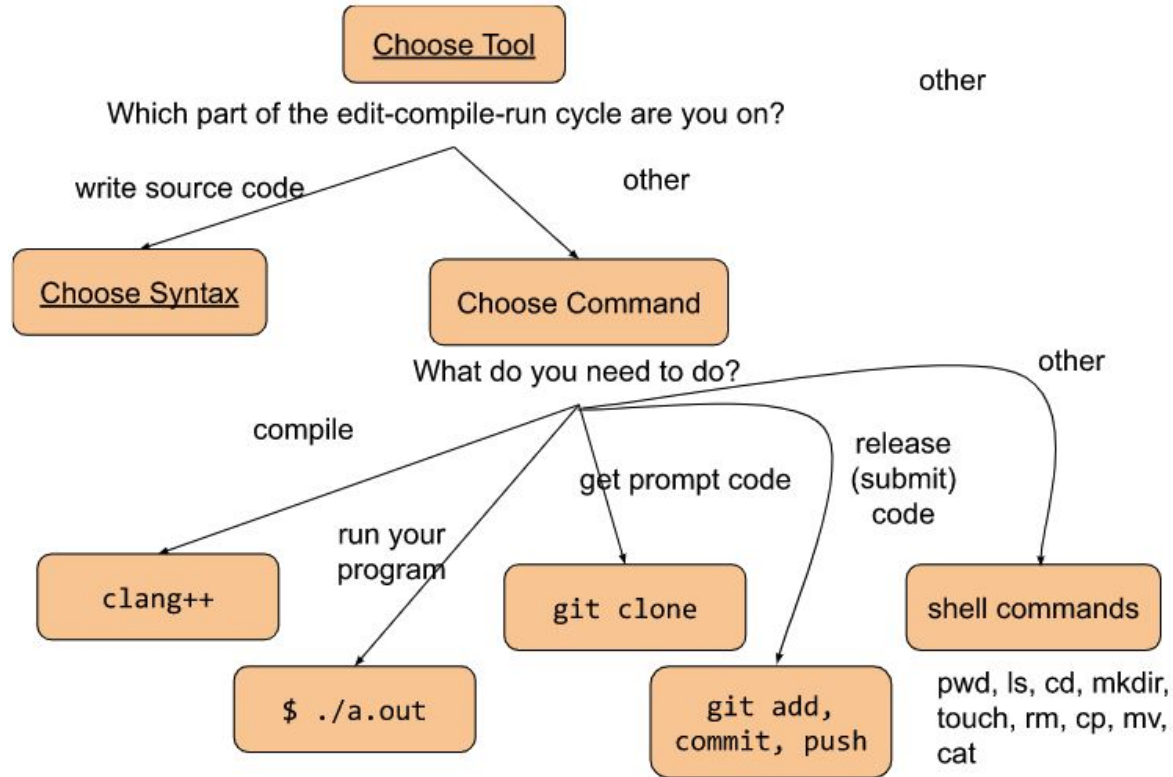
# Recap: Live Code

- Interactive
- Instructor: **driver**
- Students: **navigators**
- Today:
  - Demo file I/O
  - Password
  - Longest word

# The Development Cycle

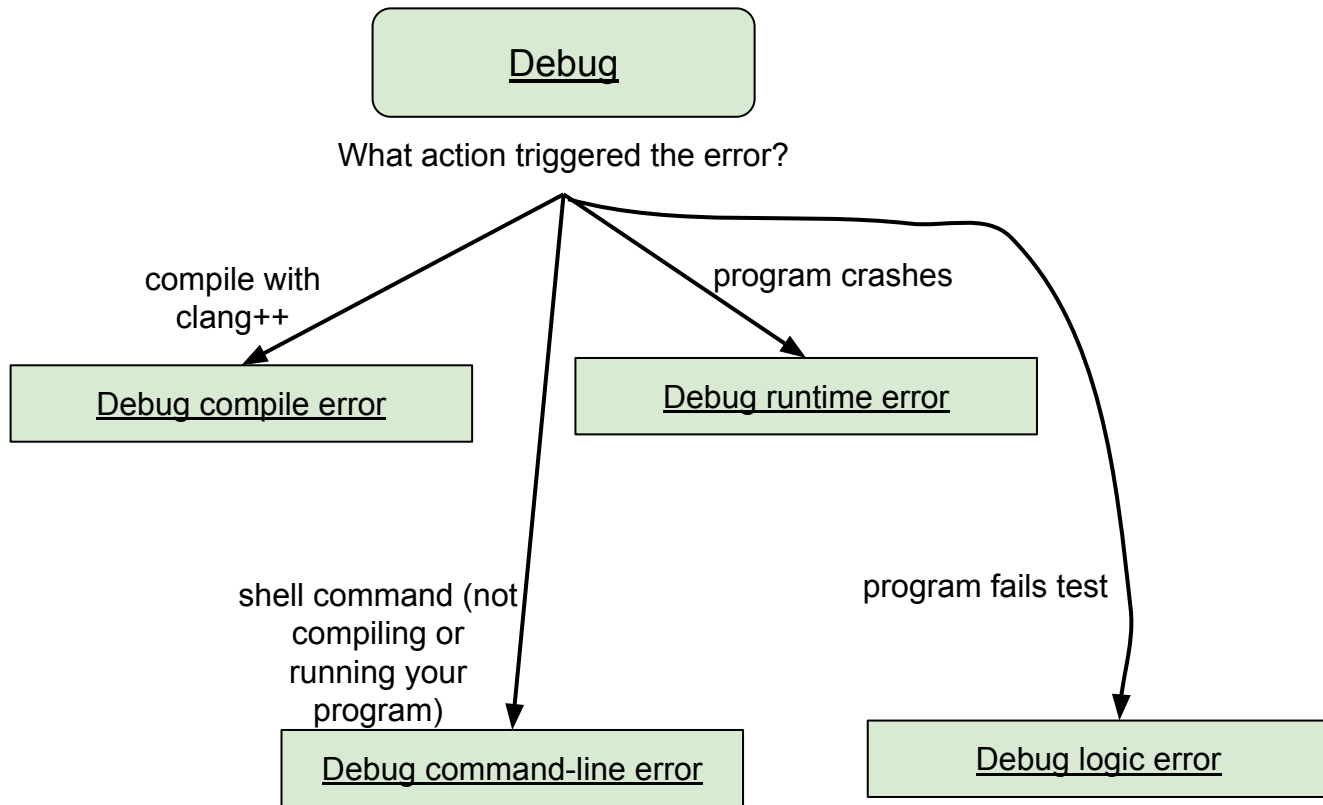


# Review: Choose Tool Flowchart

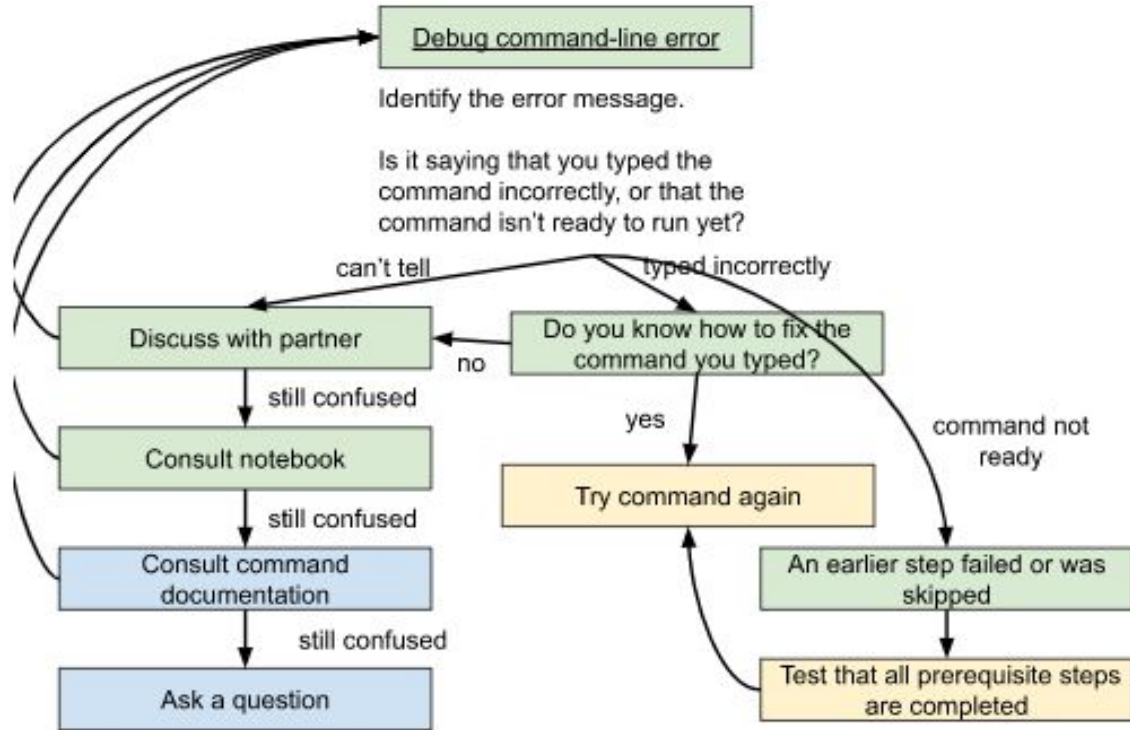




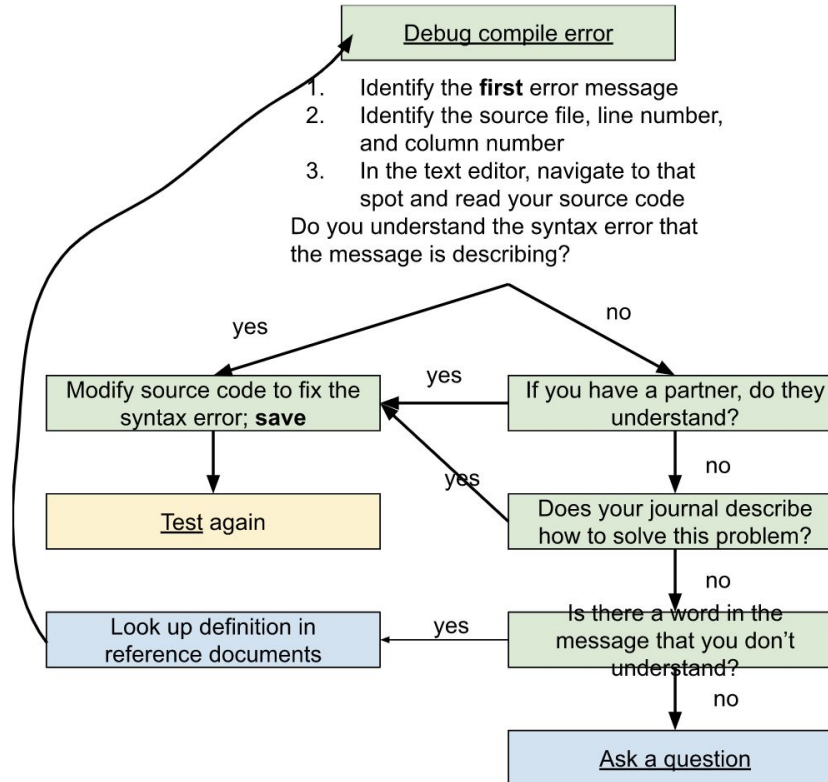
# Preview: Debug Flowchart



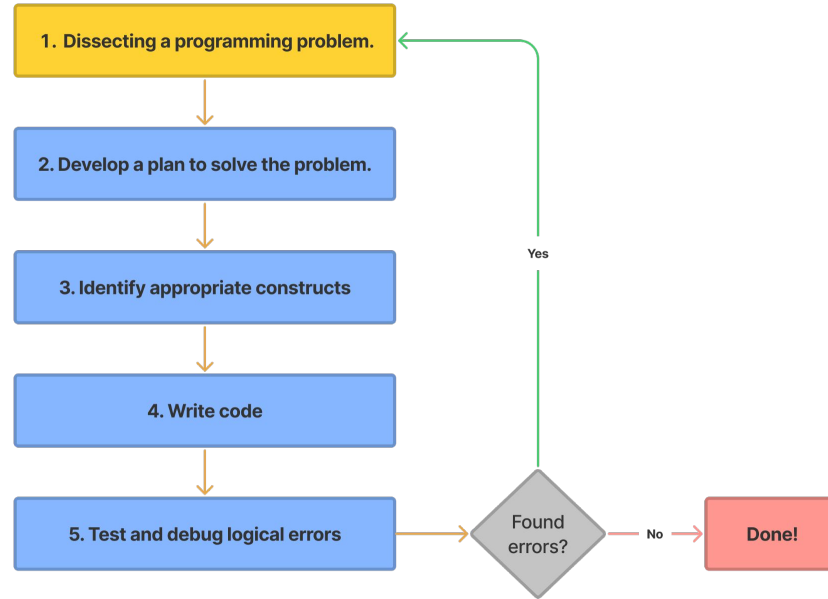
# Preview: Debug command error flowchart



# Preview: Debug compile error flowchart



# Steps for Solving a Programming Problem



# Demo: File Output

- Run program that writes to file
- Observe
  - Regular file in directory
  - Can open file in VS Code
  - Contains data that was written

# Demo: File Input and Working Directories

- Opening...
  - succeeds from same directory as file
  - fails from other directory

# Problem: Secret Password

- Password file
- password program
  - prompt for password
  - write into password.dat
- login program
  - prompt for password
  - compare to password.dat
  - print out success/failure

# Problem: Longest Word

- words.txt
- Find the longest word in the dictionary