

Lab 6: Pair Programmir				ng	Every lab, pairs will change
Alice	Callie	Hayden	Andrew		h
Andrew	Hayden	James	Matt	Sit with your teammate.	
August	Danny	Karel	Cat	You ca	an each log in, but one
Callie	Alice	Kassi	Mike	you [b	ooth] program on.
Cat	Karel	Matt	James		
Dan	Ellis	Melissa	Nate		
Danny	August	Mike	Kassi		
Ellis	Dan	Natalie	Giovanni		
Giovanni	Natalie	Nate	Melissa		
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## Pair Programming Roles

## Driver

- (Like the role I play when we write programs in class)
- Uses keyboard and mouse to execute all actions on the computer
- Ask questions wherever there is a lack of clarity
- Offer alternative solutions if you disagree with the navigator
  - When there is disagreement, defer to the navigator. If idea fails, get to failure quickly and move on
- Make sure code is "clean"
- Explains actions taken
- Brainstorms

## Navigator

- (Like the role you play when we write programs in class)
- Directs driver's actions
  - Dictates the code that is to be written - the "what"
  - Clearly communicates what code to write
- Explains why chose particular solution to this problem
- Checks for errors and typos
- Plans the problem solving or debugging actions
- Asks questions

Your team will create your own workflow, within these guidelines

















Common Issue: Inefficiency	
<pre>if team1Score &gt; team2Score: print("Team 1 wins!") else:</pre>	
if team2Score < team1Score: print("Team 2 wins!")	
if team1Score == team2Score: print("They tied! We're going to overtime!	!")
Extra if statement, not necessary Know when hit second else that the only possibility is a	ı tie
<pre>if team1Score &gt; team2Score: print("Team 1 wins!") else:</pre>	
if team2Score < team1Score: print("Team 2 wins!")	
print("They tied! We're going to overtime!")	
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![](_page_13_Figure_0.jpeg)

![](_page_13_Figure_1.jpeg)

## Lab 6

- Advanced conditions
- Indefinite Loops
- Text-based problems

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