

Welcome to Lehman College CUNY 2X  
Summer 2019 Boot Camp

# Expectations and Communication

# Our Values

- Learning
- Curiosity
- Professionalism
- Teamwork
- Self-Reliance
- Respect
- Empathy
- Patience
- Accountability
- Resilience
- Passion
- Growth

# Questions

Feel free to directly message any of the instructors with questions, comments, thoughts, suggestions and concerns

- Given the time constraint, it is impossible to answer every question that comes up during lecture
- A student may have come up with a question after the lecture
- A student may have come up with a question that is beyond the scope of the curriculum, but is still important to explore and understand

# Suggested Convention for Questions and Debugging

- Prior to assisting a student in need of help, it would be helpful for the student to write out and express, in detail:
  - The Original Objective
  - The Exact Steps Taken To Achieve The Objective
  - The Outcome/Error Message
  - Documentation That Led To Certain Decisions
- This recommended convention can prove to be useful for both the student asking a question and the person helping the student
  - The student can better visualize and communicate the problem through this process, which can help the student think of the problem from a different point of view that might reveal an alternative approach to take
  - The person helping the student can get up to speed, get on the same page, and follow the thought process from start to finish with clarity and completeness



**Allan James Lapid** 2:44 PM

What I did to cause the problem:

```
- git add .  
- git commit -m 'greatly written  
commit message'
```

What I wanted:

- to unstage the files added on the staging area so that my local master branch can be clean

What I used from the first SO link to fix the problem:

```
- git reset --soft HEAD^  
- git checkout -f
```

Now:

- i have a clean master branch (and will be making a PR on the feature branch)



Thanks!!



**Devia Turner** 🙏 2:45 PM

Let's get started!

# Pair Programming

It's important!



# What is Pair Programming?

- It is an agile software development technique where two programmers work together at the same station. There are two roles: the **driver**, and the **navigator**.
- The driver is generally tasked with writing the code, however they may ask clarifying questions. They should focus on a tactical execution of the plan.
- The navigator generally reviews each line of code as it is typed. They are in charge of considering the strategic direction of their work, guiding the driver and coming up with ideas for improvement and seeing future problem areas.
- The programmers will often switch roles throughout a programming session.

# Grover and Elmo Pair Programming



# Why Pair Programming?

- Some companies have and continue to use pair programming sessions as an interviewing tool to assess a potential developer candidate in a live coding scenario, allowing them to judge approach, flexibility, and how easy or hard an individual is to work with.
- Often times, junior developers will be paired with senior developers to work together as a means of getting the junior up to speed on a codebase.