

# Errors Are Your Friend, Not Your Enemy



# Motivations

- How much time do you waste every week randomly changing code hoping errors would disappear?
- Why can experienced developers seem to fix bugs 10x faster than beginners?
- How did Stack Overflow become one of the most visited websites by developers? (Hint: error messages)
- What if debugging is not about being smart, but about knowing how to read?
- You can make code work. Can you make errors work for you?

# Overview

- Understanding Error Messages

- Anatomy of a Python Error
- Reading Tracebacks Effectively

- Common Error Types

- The 14 Teachers (SyntaxError to NotImplementedError, We Will Cover As Much As Possible)
- What Each Error Teaches Us

- Debugging Mindset

- From Panic to Process
- Error-Driven Development

- Practical Application

- Live Debugging Exercises
- Building Error Resilience

**Have your notebook ready - we'll be coding together!**



# QnA



**All the Best! Have a Great Semester Ahead! ❤️**



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