# ENSF 692: Programming Fundamentals for Data Engineers

Welcome to Lab 4!

Lab 4 focuses on user input, functions, commenting, for-else loops, and error handling in Python. We'll also review assignment requirements and provide open tutorial time.

s by Sarah Shah

## **Assignment 2 Reminders**

#### **Due Date**

Tuesday, May 20th at 11:59 pm

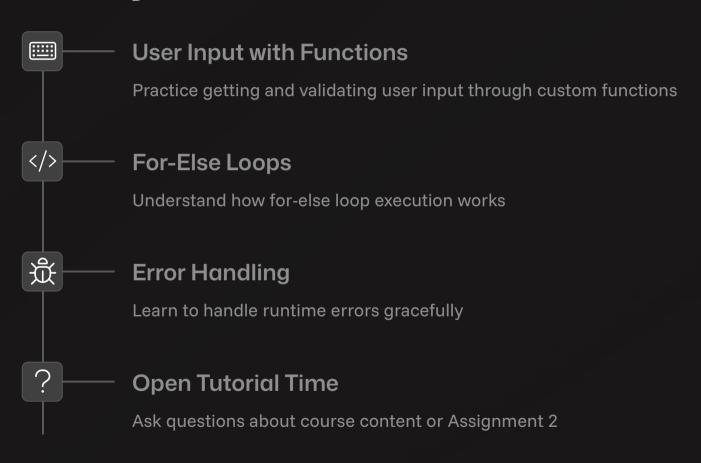
#### Main Task

Terminal application for processing car vision detection sensor changes

#### Submission

Submit HTTPS link via D2L. Last push before deadline will be graded.

### Today's Exercises



### Lab 4 Workflow

#### **Download Lab Files**

Get the Lab 3 code files from D2L

#### **Group Analysis**

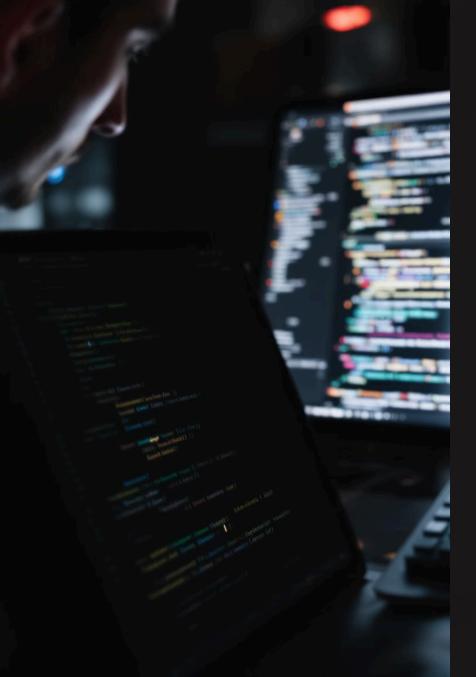
Examine code and add explanatory comments

#### **Practice Implementation**

Apply concepts to your own code examples

#### Open Q&A

Address questions about Assignment 2 or course content



## Best Practices for Code Comments

**Function Documentation** 

Describe purpose, arguments, and return values

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**User Perspective** 

Ensure input instructions are clear to all users

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**Control Flow** 

Explain complex logic and decision points



**Validation Strategy** 

Document when and how inputs are validated

## **Error Handling in Python**

