

## **Week 7**

### **File I/O: Log Management Tool (Starship Trace)**

***You are part of the software development team at Starship Logistics; a logistics company specialising in shipping goods globally. To enhance the reliability and efficiency of the operations of the company, you have decided to create and implement a comprehensive log management system for tracking and analysing the vast amount of shipping-related logs that the company deals with. The system will provide an organised and efficient way to retrieve and analyse logs related to the shipping of goods.***

Create a log management tool which reads shipping logs saved as text files and displays them to a user in a presentable and readable fashion. The information should be processed as well to allow for further analysis and insights to be drawn for the user.

#### **Topics to be consolidated**

- Opening and closing files
- Reading files using built-in functions for file I/O
- Accessing files using relative file paths
- Error handling and data validation