Lab 4 Debugging Document

***YOUR NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

## Step 1: What is the program supposed to do?

Write down the overall goal of the given **lab4.cpp** program and the steps it should take to achieve that goal.   
**Note:** The **sample output** of the corrected version of lab2a.cpp was provided in **Part 1** of the **Spring 2025 Lab 2 Assignment** document.

The program should … run an RPG where you explore and fight

## Step 2: Address the errors

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Explanation** | **Logic or Syntax?** | **Explain Solution** | **Screenshot** |
| Wrote npo instead of npos | Syntax | Fixed the errors and corrected |  |
| Misplaced and extra “}” | syntax | Corrected all missing and extra “}” |  |
| Had another misplaced “}” that caused the other direction options to not be inside the switch | syntax | Moved around the “}” to the end of switch |  |
| Else if before if | syntax | Change else if to if |  |
| Misplaced return | syntax | Put it at the end of the main function |  |
| Each time I go north, it does the walking into pole situation | Logic | While toupper for north was set to (1) so it was expecting an O instead of N |  |

**Note:** Don’t forget to go back to your **Spring 2025 Lab 4 Assignment** document to complete the final **Part 2** of the assignment and to see submission instructions.