To: Stephen Osiru

From: Daniel Nzambuli

Date: 16 January 2026

Title: Daily Report

Summary of Activities

- Stand-up – explained the goals met over the previous day. Got assigned to a new team after my teammate left. I was given a challenge to assess my current understanding of data structures and their implementation.

- Developed my version of the solution to the issued challenge. I was issued a challenge to develop a program that lists all the palindromes in a given string. My solution involved making a two pointer check for palindromes, and a sliding window that increases the window size from 1: full string length. The reason for this was to be able to run the palindrome checker on each window instance

- Completed doubly linked list. Finished the video on dll and tried one of the provided leetcode challenges in the tutorial

- Had a collaborative session on improving my solution. I sat down with another teammate and discussed their perspective of how to solve the palindrome problem. I got a new perspective to palindrome checks using slicing.

Challenges Faced

- Space efficiency. My solution to the problem involved creating two pointers. I later learned how to use slicing and just save one version of the string for comparison.

Key Outcomes

1. Explained my targets and the achievements I have made through out the week.

2. Learned about slicing as a solution to problems that require data reversal

3. Implemented and learned about dlls

4. Completed my first programming assessment challenge.

5. Joined a new team.

6. Started content on stacks and queues

7. Completed my first week at Spin Mobile