

To: Stephen Osiru  
From: Daniel Nzambuli  
Date: 14 January 2026  
Title: Daily Work Report

### **Summary of Activities**

- Learn about Linked Lists. Continue from comparing linked lists and arrays. Learn the basic methods associated with linked lists; initialization, appending, prepend, popping, pop first, get, insert, remove, reverse, set.
- Orientation meeting. Sat down with the CEO to learn about the goals or Swift Mobile, the near-time targets, the long-term targets and the guiding principles
- Tried out linked list challenges from geeks for geeks. In an effort to ensure that I had learned and not crammed content I tried to develop solutions to some linked list challenges on geeks for geeks. I did this in anticipation for the quiz tomorrow

### **Challenges Faced**

- Just visualizing the thought process for developing linked list problems. This was highlighted by drawing how I thought the logic worked and through this I gained an appreciation for data structures

### **Key Outcomes**

1. Understand the building blocks for a linked list; the node and pointer.

2. Create a linked list in python.
3. Implement linked list methods for initialization, appending, prepend, popping, pop first, get, insert, remove, reverse, set.
4. Practice for the upcoming quiz.
5. Aligning myself with the greater mission and principles that guide the daily operations of Swift Mobile.
6. Collaborate with my peer and discuss peculiarities in how memory addresses and value assignment to a variable works in python.