**Understanding of Data Structure Types**

**Well Understood:**

**1. Arrays:**

Arrays are ordered collections of elements of the same type. I have a good grasp of their use for storing sequential data such as game scores, student grades, etc.

**2. Queues:**

Queues are data structures where elements follow the "first in, first out" (FIFO) principle. I understand them well through analogies with real-life queues.

**3. Stacks:**

Stacks follow the "last in, first out" (LIFO) principle. Their operation is clear to me, especially in situations such as managing history in a web browser.

**Difficulties Encountered:**

**1. Hash Tables:**

Hash tables posed difficulties for me due to their implementation complexity and understanding of hash functions. Concepts of collision and collision resolution particularly troubled me.

**2. Linked Lists:**

Linked lists were initially challenging to grasp, especially compared to arrays. Managing pointers and navigating through nodes were concepts I had to spend more time on to truly understand.

Based on my current understanding, I estimate that I have learned approximately 70% of the material covered in the course. I believe with continued effort and practice, I can further improve my comprehension and mastery of these concepts.

