

8. Lab 7: Hash Tables

8.1. Objectives

- Understand and implement Hash table

8.2. Problem

HashDoubleApp

- Display the key sequence for the initial filling of the table
- Display the hash value, the step, and the probe sequence for insert and find.
- Display the probe length for each find and insert
- Display the average probe length for the initial filling of the table
- Investigate how the load factor affects the average probe length
- Demonstrate the importance of using a prime number for the table size

HashChainApp

- Display the key sequence for the initial filling of the table
- Display the probe length for each find and insert
- Display the average probe length for the initial filling of the table
- Investigate how the load factor affects the average probe length