

Lab 6: Queues & Hash Tables

Implementing some more data
structures

Hash Table Class

- Make a HashTable Class from scratch
- Start with sample code, and improve it:
 1. Create a hash function in the HashTable Class that simply converts the first letter of the key into its ASCII representation.
 2. Modify your set method so that it calls your hash method, and inserts the corresponding value at the appropriate index in the list.
 3. Modify your get method so that it finds the corresponding value without looping through the entire list
 4. Figure out how to handle collisions

Queue Class

- Make a Queue Class by extending a list (use inheritance)
- Implement the following methods:
 - enqueue()
 - dequeue()
 - front()
- Write some code that uses this method to make sure that it works