

Topics List for Final Exam

The final exam will have 6 questions on it; 2 questions will be on the test 1 material, 2 questions will be on test 2 material, and 2 questions on the new material.

- All topics on “Topic list 1”
- All topics on “Topic list 2”

- Hash Tables
 - Know what hash tables are
 - Given a hash function and a table, tell which bucket an element will go to.

- Graphs
 - Given a pictorial representation of a graph, be able to write down its adjacency lists representation.
 - Given a pictorial representation of a graph, be able to write down its adjacency matrix representation.
 - Show the order in which nodes are visited in a Depth First Search (DFS)
 - Show the order in which nodes are visited in a Breadth First Search (BFS).

- (Optional: Extra Credit topic)
 - Be able to solve a problem using the algorithm header file that we talked about in class.