

COP 3503 Section 201 Fall 2026 Program #3 Grading Criteria (75 points total)

1. Programming Style - 5 pts (Header Comment, Internal Comments, Use of white space, consistency, reasonable code lay out.)
2. Reads in input from standard input and outputs to standard output (3 pts)
3. Has a binary index tree class defined with appropriate methods (10 pts)
4. Creates 2 binary index tree objects in main solution. (2 pts)
5. Has code to process updates that makes updates to a BIT (5 pts)
6. Hash code to process queries that makes updates to a BIT (5 pts)
5. Test Cases - 40 pts total – Sample (10 pts)
 - Small Case (10 pts)
 - Large Case (20 pts)Give partial credit within the cases as you see fit.
Time Limit for all test cases = 12 seconds
6. Commentary File – 5 pts (**Note: if this file isn't consistent with the submission, indicating that AI or significant outside help was involved, then the grader may assign a 0.**)

If a program does not compile, max grade of 15 out of 75.