

COP 3503 Spring 2022 Program #3 Grading Criteria (100 points total)

1. Properly Reads and Stores Input - 5 pts
2. Has a **SEPARATE DISJOINT SET CLASS WITH FIND, UNION METHODS** - 10 pts (3 pts for separate class, 4 pts for union method in class, 3 pts for find method).

AWARD 0 points out of 10 if there is no Disjoint Set class. One key design idea that this assignment is supposed to teach is how it's important to black box data structures as classes so we can easily use objects.

2. Outputs a single integer - 5 pts (all or nothing)
3. Header Comment, Comments, Use of White space, Good consistent coding style - 10 pts, grader decides partial as they see fit.
4. Test cases - 14 cases worth 5 points each (70 pts total)
All or nothing credit on each test case. Either the answer is correct (+5) or the answer is not correct (+0).

Run Time Limit = 5 seconds for each case.