

**COP 3503 Spring 2024 Program #6 Grading Criteria (100 points total)**

**Program A – gcdsum (50 pts)**

1. Header comment – 2 pts
2. Internal comments – 2 pts
3. Reads input – 2 pts
4. Has some sort of 2D array for DP/memo – 2 pts
5. Employs what appears to be DP or memorization – 2 pts
6. 40 pts execution – 4 pts per test case. Possible credit on a test case is 0, 2 or 4 pts.
  - 2 pts per correct max sum
  - 2 pts per correct partition (so long as max sum is correct)

**Program B – subseqsum (50 pts)**

1. Header comment – 2 pts
2. Internal comments – 2 pts
3. Reads input – 2 pts
4. Has some sort of 1D array for DP/memo – 2 pts
5. Employs what appears to be DP or memorization – 2 pts
6. 40 pts execution – 4 pts per test case. Possible credit on a test case is 0, 2 or 4 pts.
  - 2 pts per correct max sum
  - 2 pts per correct partition (so long as max sum is correct)

**Run Time Limit = 3X, where X is the run time of my solution on your (TAs) computer. Stop output at the end of the time limit and just grade those cases. You can be approximate with this.**

**If program doesn't compile, max grade of 20 out of 100.**