**QUESTION SET 2**

Solve the problems below.

Quickly scan the problems and solve the easiest ones first.

Then go back and keep sweeping this list until all problems are completed.

Take a **fullscreen desktop screenshot of your submission results**. The screenshot must show that you completed the problem 100% and Visual Studio. Name your .cpp file as “main\_[PROBLEM SET]\_[PROBLEM NUMBER].cpp”.

For example the solution to the first problem would be named: “main\_2\_1.cpp”.

More questions will be added to the bottom of this list. Please check the github link often.

NOTE: you MUST use C (not C++) unless absolutely required by the problem (for example, OOP)

1. <https://www.hackerrank.com/challenges/pointer-in-c/problem>
2. <https://www.hackerrank.com/challenges/bitwise-operators-in-c/problem>
3. <https://www.hackerrank.com/challenges/printing-tokens-/problem>
4. <https://www.hackerrank.com/challenges/frequency-of-digits-1/problem>
5. <https://www.hackerrank.com/challenges/dynamic-array-in-c/problem>
6. <https://www.hackerrank.com/challenges/recursion-in-c/problem>
7. <https://www.hackerrank.com/challenges/variadic-functions-in-c/problem>
8. <https://www.hackerrank.com/challenges/c-tutorial-pointer/problem>
9. <https://www.hackerrank.com/challenges/variable-sized-arrays/problem>
10. <https://www.hackerrank.com/challenges/c-tutorial-strings/problem>
11. <https://www.hackerrank.com/challenges/c-tutorial-struct/problem>
12. <https://www.hackerrank.com/challenges/c-tutorial-class/problem>
13. <https://www.hackerrank.com/challenges/classes-objects/problem>
14. <https://www.hackerrank.com/challenges/box-it/problem>
15. <https://www.hackerrank.com/challenges/inherited-code/problem>
16. <https://www.hackerrank.com/challenges/virtual-functions/problem>
17. <https://www.hackerrank.com/challenges/abstract-classes-polymorphism/problem>
18. <https://www.hackerrank.com/challenges/vector-sort/problem>
19. <https://www.hackerrank.com/challenges/cpp-sets/problem>
20. <https://www.hackerrank.com/challenges/cpp-maps/problem>
21. <https://www.hackerrank.com/challenges/inheritance-introduction/problem>
22. <https://www.hackerrank.com/challenges/cpp-exception-handling/problem>
23. <https://www.hackerrank.com/challenges/accessing-inherited-functions/problem>
24. <https://www.hackerrank.com/challenges/c-class-templates/problem>
25. <https://www.hackerrank.com/challenges/preprocessor-solution/problem>
26. <https://www.hackerrank.com/challenges/operator-overloading/problem>
27. <https://www.hackerrank.com/challenges/overload-operators/problem>
28. <https://www.hackerrank.com/challenges/cpp-class-template-specialization/problem>
29. <https://www.hackerrank.com/challenges/2d-array/problem>
30. <https://www.hackerrank.com/challenges/dynamic-array/problem>
31. <https://www.hackerrank.com/challenges/array-left-rotation/problem>
32. <https://leetcode.com/problems/squares-of-a-sorted-array/>
33. <https://leetcode.com/problems/array-partition-i/>
34. <https://leetcode.com/problems/peak-index-in-a-mountain-array/>
35. <https://leetcode.com/problems/fibonacci-number/>
36. <https://leetcode.com/problems/transpose-matrix/>
37. <https://leetcode.com/problems/letter-case-permutation/>
38. <https://leetcode.com/problems/hamming-distance/>
39. <https://leetcode.com/problems/add-digits/>
40. <https://leetcode.com/problems/roman-to-integer/>
41. <https://leetcode.com/problems/rotate-string/>
42. <https://www.codingame.com/training/easy/lumen>
43. <https://www.codingame.com/ide/puzzle/ascii-art>
44. <https://www.codingame.com/ide/puzzle/chuck-norris>
45. <https://www.codingame.com/ide/puzzle/horse-racing-duals>