Welcome to CPG!

UQ Computing Society

April 4, 2023

What is the Competitive Programming Group (CPG)?

▶ Our aim is to get practice with programming questions (Leetcode style) for programming competitions throughout the year, such as
  ▶ UQCS CodeJam
  ▶ Advent of Code
  ▶ ANZAC competitions
  ▶ International Collegiate Programming Contest (ICPC)
▶ We'll be meeting on a weekly basis to discuss and work through challenging and interesting programming problems, gaining some valuable experience for technical interviews along the way!

What's Different This Year

- ▶ Last year we presented material every week and held mini-competitions
- ▶ This year we'll be trying something different - no material, we'll just bring along a couple of interesting problems every week to work on!
- ▶ Feel free to work on anything you'd like - the idea is for this to be a time every week to get some practice and/or help with programming questions, and to discuss them with other people.
- ▶ We want to focus on joining some ANZAC competitions this year, so we'll announce when those are coming up as well
    - ▶ Note that these are group competitions, unlike UQCS CodeJam

Resources

- First point of reference - https://github.com/UQComputingSociety/cpg
  - Archive of past CPG years
  - Collection of useful resources and sources of programming problems
- For ANZAC and other competitions, see https://www.facebook.com/groups/SPPContest/ on Facebook

This Week...

- We'll mainly be going over questions from UQCS CodeJam 2023: https://www.hackerrank.com/uqcs-codejam-2023

  - You can still view and attempt these questions
  - The committee will be posting our solutions to these questions soon (TM)

- If you'd like to work on other more traditional problems, these are the main resources we'll be pulling from:
  - https://usaco.guide/
  - https://cses.fi/problemset/

- Final things:
  - Work together! No such thing as academic misconduct here.
  - There are whiteboards in this room - you can use them for rough working out.