

The University of New South Wales

COMP2521 Data Structures and Algorithms

20T2 Final Exam Instructions

Before continuing on with reading this, please read and acknowledge the following:

<input type="checkbox"/>	I acknowledge that all of the work I submit for this exam will be completed by me without assistance from anyone else.
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Warning: We will be running plagiarism-checking on your submissions. Plagiarism, especially in exams, will be prosecuted as Student Misconduct.

This document has five sections:

- [Setting up your on-screen workspace](#)
- [A note on downloading](#)
- [Reading the exam paper](#)
- [Setting up your working directory](#)
- [Submitting your answers](#)

You might want to keep it open in a browser tab in case you need to refer to it.

You can work on the exam either on your laptop/workstation at home or by logging in to your CSE account on one of the CSE servers. Logging in to CSE can be accomplished either via putty or ssh (low network bandwidth), or vlab (high network bandwidth). However you choose to do it, you should

- First make a new directory/folder called e.g. exam
- Then make this your current directory and do all your work there

Setting up your on-screen workspace

We suggest that you open a browser with the following tabs:

[COMP2521 Home Page](#)

To keep track of any notices related to the exam; refresh this page every so often. You can also ask questions here via "Final Exam Q and A".

[A Mail Client](#)

Whatever mail client you normally use. Important notices will be sent via email. You can also ask questions via email to jas@cse.unsw.edu.au.

[This Instruction Page](#)

Just in case you need to check it again..

[The Final Exam Submission page](#)

If you plan to submit your answers through Webcms3.

[The Final Exam Paper](#)

To read the questions and instructions.

Also, open a **terminal window** for testing your programs. If you use an editor like vim, you can also use this window for editing. Otherwise open a separate window where you edit your answers.

You should also have a **mail reader** open to receive any updates on the exam (which will also be posted on the Webcms3 Notices), or to ask for clarification on any question (email cs2521@cse.unsw.edu.au).

Note on Downloading

If you click on the links to exam-*.zip below, your browser will most likely put them in your downloads folder, and may even unzip them for you. Check the downloads folder and move the relevant directory (work or paper) into your exam directory. If the downloads folder contains the zip file, then move that to your exam directory.

You can generally force browsers to download the exam-*.zip file without unzipping it by using a right mouse-click on the link. Once you have the zip file in your exam directory, you can run the unzip command manually.

Reading the exam paper

If you want to put the exam paper on your laptop at home ...

- Unzip the file <https://www.cse.unsw.edu.au/~cs2521/20T2/exams/final/exam-paper.zip>
- This will create a new directory called paper under your current directory
- Start your web browser and access the paper via the File > Open File menu item
- Storing the exam locally saves network bandwidth, but means you will not see changes made to the exam paper on the course web site.

If you want to view the exam paper via the CSE web server ...

- Start your web browser
- Open [this link](#) to the paper on the CSE servers

Setting up your working directory

If you want to work on your laptop/workstation *at home* ...

- You will need to have gcc and make installed on your machine
- Unzip the file <https://www.cse.unsw.edu.au/~cs2521/20T2/exams/final/exam-work.zip>

If you want to work *on the CSE servers* ...

- Login to a CSE server either via putty, ssh or vlab
- Run the command: `unzip /web/cs2521/20T2/exams/final/exam-work.zip`

After doing either of the above, you will have a new directory called work. In this directory you will find:

q1/

A directory containing all of the files for completing the 1st programming question, including a `run_tests.sh` script

q2/

A directory containing all of the files for completing the 2nd programming question, including a `run_tests.sh` script

q3.txt, q4.txt, ... q8.txt

Templates for answering the written questions. Edit these files using a text editor of your choosing, and submit the edited files.

Submitting your answers

You must submit all files containing your answers via `give`. You can give files either via Webcms3 or via the command-line. If you use the command line version of `give` the files will need to be loaded onto a CSE server (details below).

If you are working on your laptop/workstation *at home* ...

- You have two options: Webcms3 or command-line:

Webcms3

- go to the "Submit Qx" page under "Final Exam"
- click on the "Make Submission" tab, select the file, and click Submit

command-line

- use `scp` (or any other file copying mechanism) to put the file onto your CSE account
- example: `scp q3.txt z1234567@cse.unsw.edu.au:q3.txt` (don't forget the :)
- login to your CSE account (e.g. via `ssh`) and run the `give` command as described at the bottom of the question
- example: `give cs2521 exam_q3 q3.txt`

If you are working *on the CSE servers* ...

- You can directly use `give` as described at the bottom of the question
- example: `give cs2521 exam_q1 stu.c`