Assessment Brief : 2D Arrays/Files (Crush It!)

Unit name	Programming in C
Unit code	COMSM1201
Assessment number	2 (after Peer Assessment)
Assessment name	2D Arrays/Files (Crush It!)
Assessment prepared by	Neill Campbell
Assessment type	Coursework
Credit value	**20%** of 30cp unit
Expected time to complete*	Less than 1 week, very approximately.
Submission format	Via Blackboard – **one** file called crushit.zip. You can submit as often as you like, old files are automatically overwritten. I'll only mark your latest submission. Any submissions that are late (even by 1 second) are automatically given a late penalty; my feedback will not show this. Penalties are enforced by our systems not me so I can't "ignore" them 🙁
Deadline	18th October 2024 (Friday afternoon, Week 5 @ 13:00)
Deliverable	Only one file : 1) A **single** file entitled crushit.zip 2) Make sure this is spelled correctly and has been zipped in a terminal on a lab machine. Code should build without warnings.
Learning outcomes being assessed	• To be able to write a program, given a brief specification that compiles and executes correctly. • To be able to convert a simple algorithm into working code. • The ability to program in the C99 C standard, and in the style outlined in the house-style guidelines. • How to utilise, amongst others: 2D arrays, structures, strings and Files. • To be able to build a program from a suite of small, well tested functions. • To be able to debug simple programs on your own.
Assessment criteria	Conformance to the house-style guidelines, assert testing, short readable functions, array-boundary checking.
Additional resources	Previous week 3 & 4 exercises, including rule 110 and Forest Fire.
Support for this assignment	6 hours of labs in week 5.
Additional advice to students	Use house-style guidelines. Start simple. Write your own version of the code without my files. Understand some of the issues, before using trying the full version. Test as you go. If you write it, get it to work & then glue some testing on at the end, it will look odd. **If your code doesn't work, put a comment explaining this at the top, and submit it anyway – your style/structure is still worth marks.**
Feedback mode/method	Brief written feedback from Neill, and, additionally, at any time verbally during lab sessions.
Planned feedback date	Maybe as early as Friday week 7 (?)
Useful previous feedback	Peer Assignment
Future feedback use	Next assignment (Search/Sort)