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Assignments

Four assignments
due roughly week 4,5, 9,13

The first one is trivial

It's a warm up to have you familiarize yourself with the environment and easy marks.
Do not use it as a gauge for judging the difficulty of the following assignments.

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Session enrolment	1998/S1 178	1999/S1 410	2000/S1 320	2001/S1 300	2001/S2 107	2002/S1 298	2002/S2 156	2003/S1 333	2003/S2 133	
suspected cheaters	10(6%)	26(6%)	22(7%)	26(9%)	20(19%)	15(5%)	???(?%)	13 (4%)	???(?%)	
full penalties	2	6	9	14	10	9	5	2	1	
reduced penalties cheaters	7	15	7	7	5	4	2	2	9	
failed cheaters	4	10	16	16	10	12	5	4	?	
suspended	0	0	1	0	0	1	0	0	0	
*Note:	Full pena	alty 0 FL r	not applie	d prior to	2001/S1					12























References

- A. Silberschatz and P.B. Galvin, $Operating System Concepts, 5^{th}, 6^{th}, or 7^{th}$ edition, Addison Wesley
- William Stallings, Operating Systems: Internals and Design Principles, 4th or 5th edition, Prentice Hall.
- A. Tannenbaum, A. Woodhull, Operating Systems--Design and Implementation, 2nd edition Prentice Hall
- John O'Gorman, Operating Systems, MacMillan, 2000
- Uresh Vahalla, UNIX Internals: The New Frontiers, Prentice Hall, 1996
- McKusick et al., The Design and Implementation of the 4.4 BSD Operating System, Addison Wesley, 1996

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Consultations/Questions

- Questions should be directed to the forum.
- Admin related queries to Nicholas Fitzroy-Dale nfd@cse.unsw.edu.au
- Personal queries can be directed to me kevine@cse.unsw.edu.au
- We reserve the right to ignore email sent directly to us (including tutors) if it should have been directed to the forum.

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Consultation Times
 _ TBA

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Learning Outcomes

- High-level understand what is an operating system and the role it plays
- Appreciate the evolution of operating systems tracks the evolution of hardware, and that evolution is repeated in each new hardware era.

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Problem: Keeping Batch Systems Busy

- Reading tapes or punch cards was time consuming
- · Expensive CPU was idle waiting for input

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· Word processing on a batch system?

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Learning Outcomes Understand the basic components of computer hardware CPU, buses, memory, devices controllers, DMA, Interrupts, hard disks

• Understand the concepts of memory hierarchy and caching, and how they affect performance.

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