

# COMP1521 Week 10 Lec 1

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# Announcements and Reminders

Week 9 Test Due: Thursday 21:00:00

Week 10 lab: Practice exam in cse labs, regular lab questions too

Sample Exams coming up Friday Week 10.

Extra help sessions Monday 6-8pm online. Extra for tomorrow: 1:30-2:30pm 5-6pm

Assignment 2

Please fill in MyExperience

Unofficial code samples from lectures: [www.cse.unsw.edu.au/~angf/code24T1](http://www.cse.unsw.edu.au/~angf/code24T1)






# Overview







Concurrency and Threads recap

Data lifetime Issue

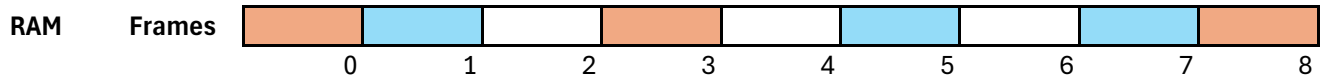
Virtual Memory



Virtual Address		
Process 1	Address	Page Table
Page	Space	Frame
0		1
1		7
2		
3		
4		5

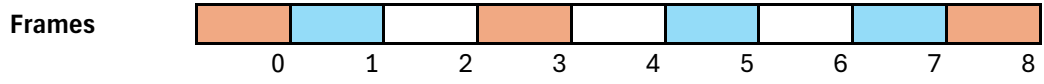
Virtual		
Process 2	Address	Page Table
Page	Space	Frame
0		3
1		
2		0
3		
4		
5		8

**PHYSICAL ADDRESS SPACE**



Virtual		Page Table
Process 1 Page	Address Space	Frame
0		1
1		7
2		
3		
4		5

Virtual		Page Table
Process Page	Address Space	Frame
0		3
1		
2		0
3		
4		
5		8



Page Size 4096 =  $1 \ll 12$

Process	Virtual Address	Page	Offset	Frame	Address
1	4098	1	2	7	28674

Virtual Address 4098 =

0x	0	0	0	0	1	0	0	2
0b	0000	0000	0000	0000	0001	0000	0000	0010

Physical Address

0x	0	0	0	0	7	0	0	2
0b	0000	0000	0000	0000	111	0000	0000	0010

# Please give Lecture Feedback



<https://forms.office.com/r/CSxGJr2bU6>

If you have any feedback or thoughts about today's lecture, please follow the link below. Please remember to keep your feedback constructive, so I can use it to improve the learning experience.