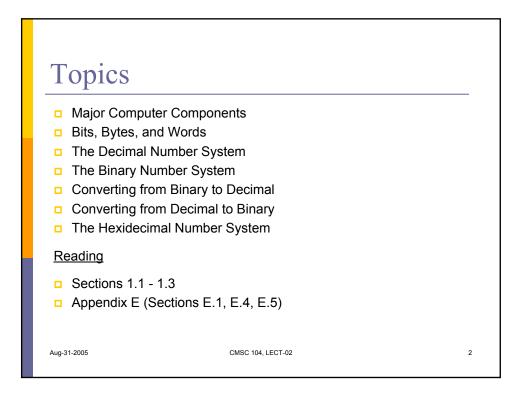
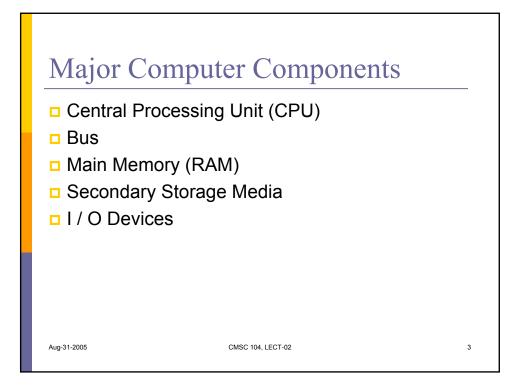
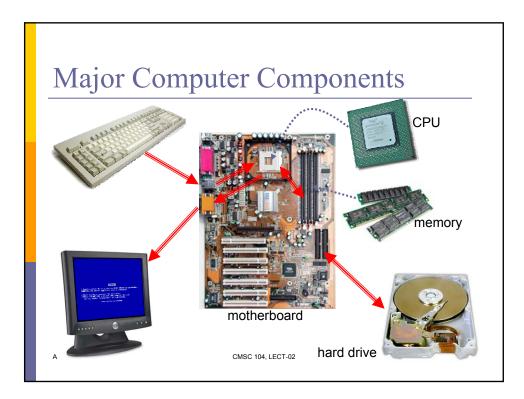
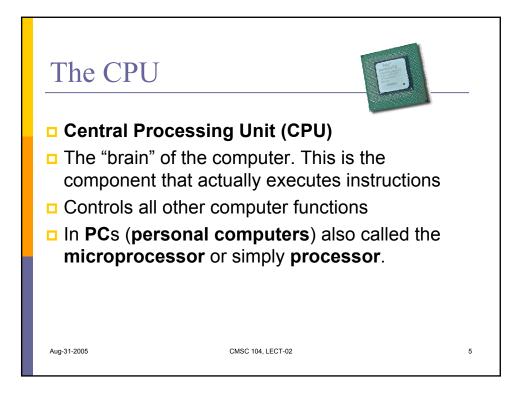
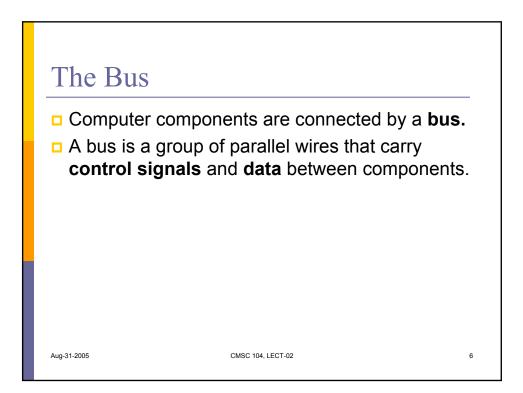
	Machine Architecture	
	and Number Systems	
	Some material in this presentation is borrowed form Adrian Ilie From The UNIVERSITY of NORTH CAROLINA at CHAPEL HILL	
Aug-31-2005	CMSC 104, LECT-02	1

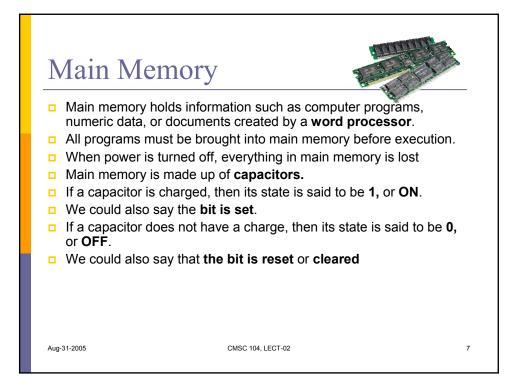


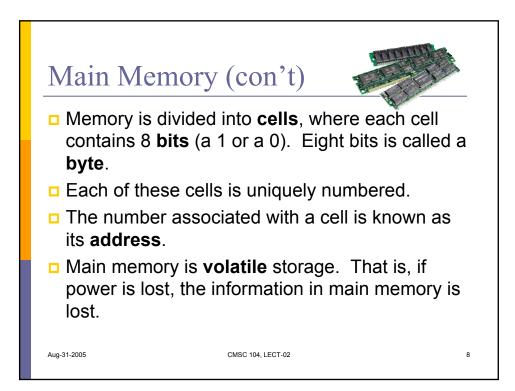


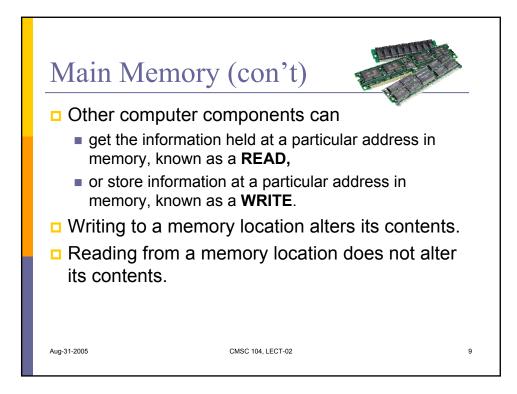


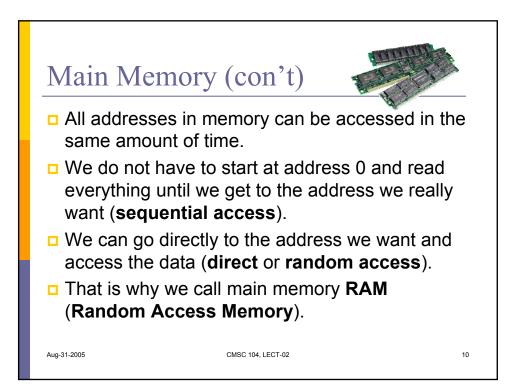


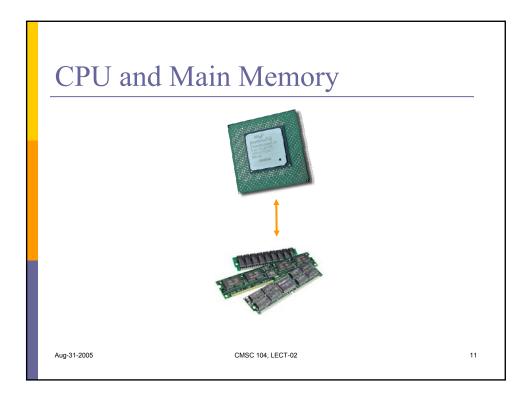


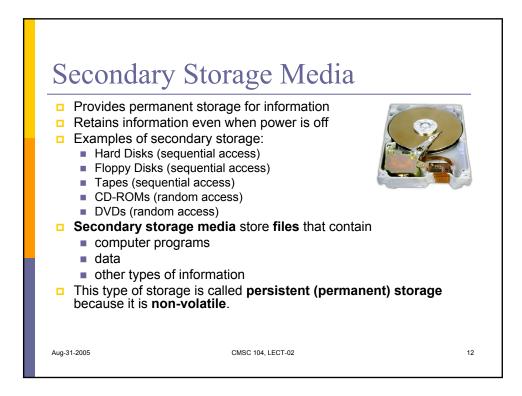


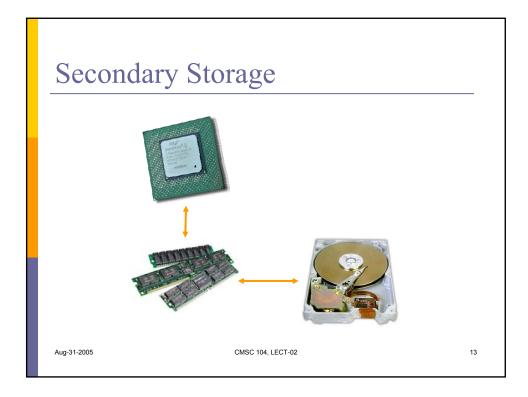


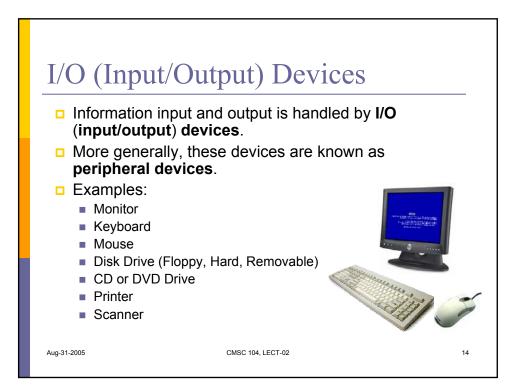


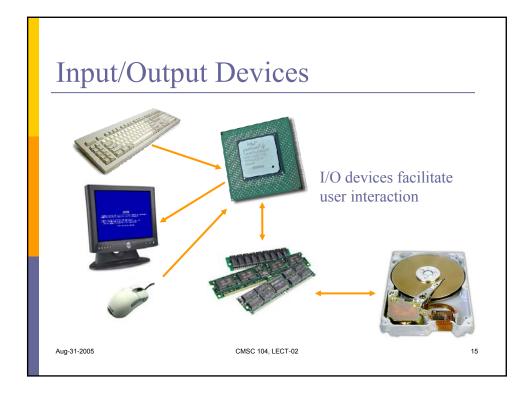


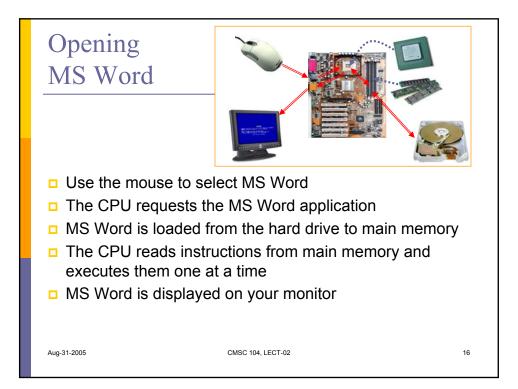


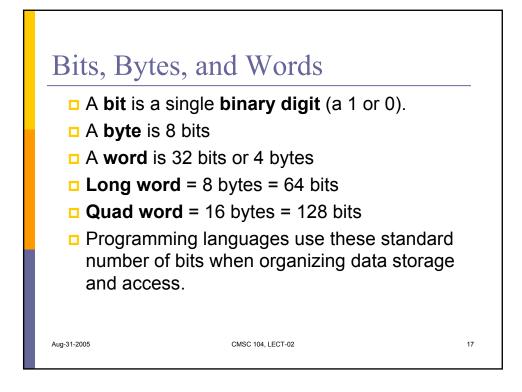


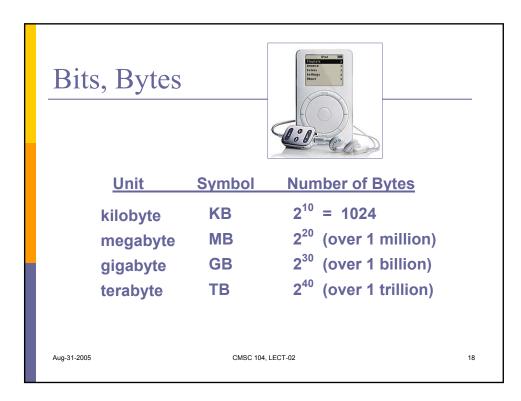






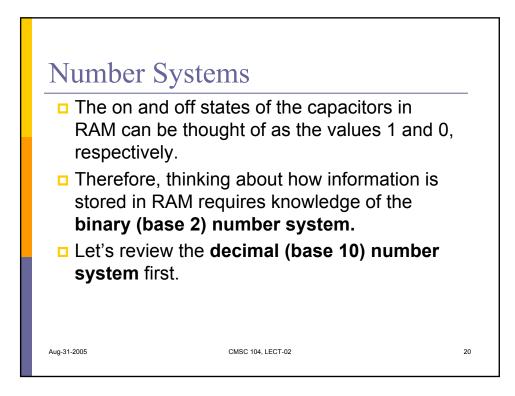


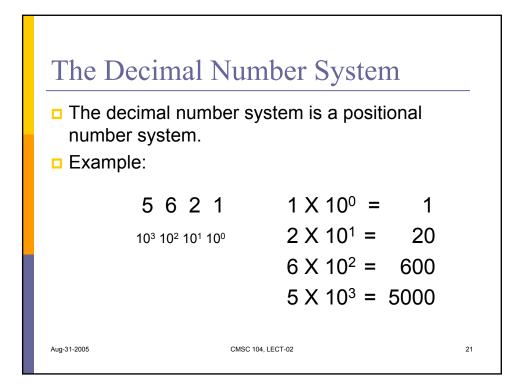


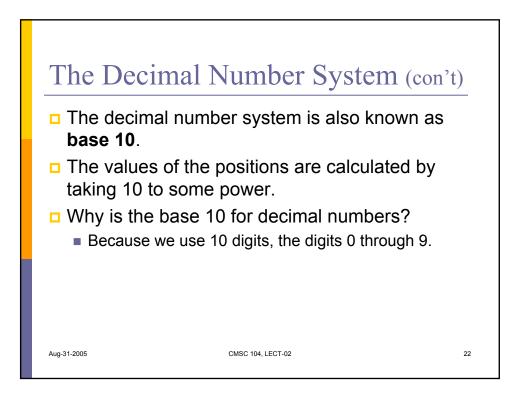


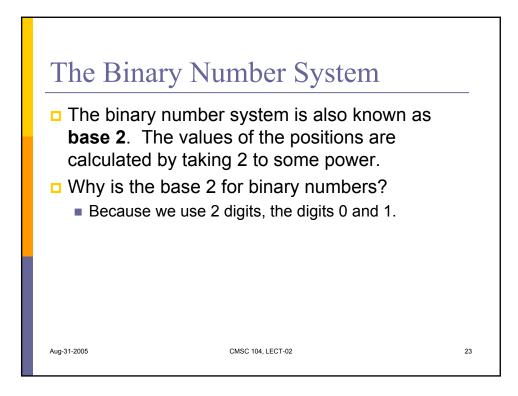
1 bit	2 bits	3 bits	4 bits			
0	00	000	0000	1000		
1	01	001	0001	1001		
	10	010	0010	1010		
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		110		1110		
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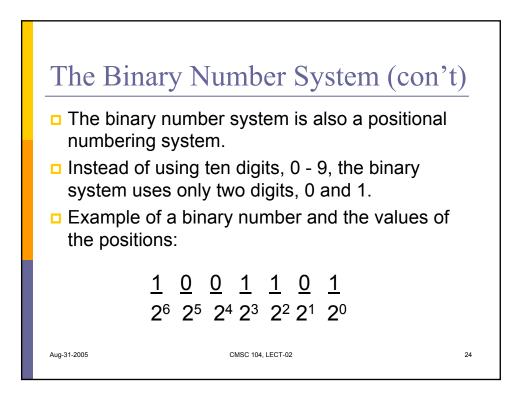
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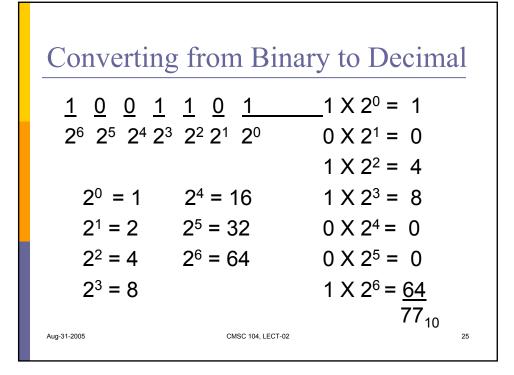


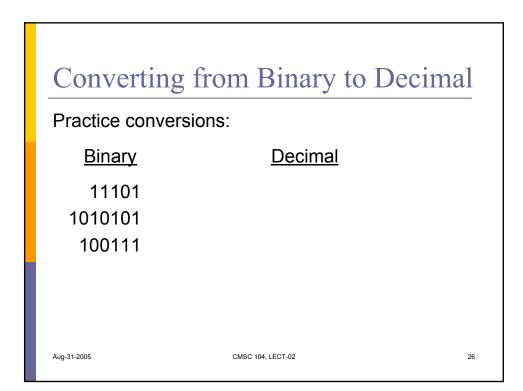


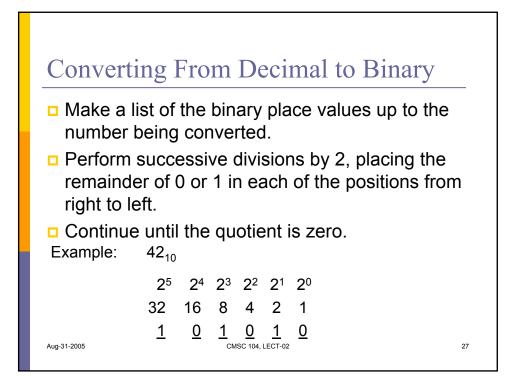


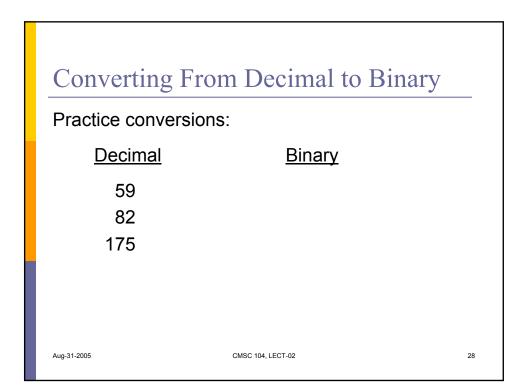


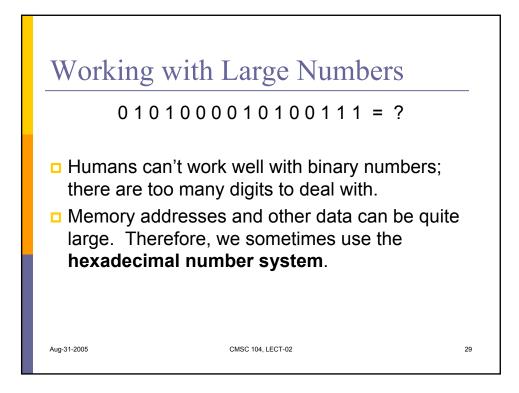


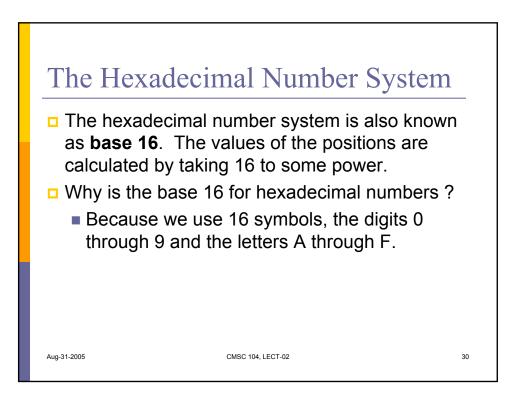












The Hexadecimal Number System (con't)

Bin	ary	<u>Decimal</u>	<u>Hexadecima</u>	<u>al E</u>	Binary	<u>Decimal</u>	<u>Hexadecimal</u>	
	0	0	0		1010	10	А	
	1	1	1		1011	11	В	
	10	2	2		1100	12	С	
	11	3	3		1101	13	D	
10	00	4	4		1110	14	E	
1	01	5	5		1111	15	F	
1	10	6	6					
1	11	7	7					
10	00	8	8					
10	01	9	9					
Aug-31-200)5		CM	MSC 104, LEC	T-02			31

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Полис			<u> </u>			1			• •		\mathbf{P}	<u> </u>					
	×	2	3	4	5	6	7	8	9	A	в	с	D	Е	F	10	
	2	4	6	8	A	с	Е	10	12	14	16	18	1A	1C	1E	20	
	3	6	9	с	F	12	15	18	1B	1E	21	24	27	2A	2D	30	
	4	8	с	10	14	18	1C	20	24	28	2C	30	34	38	3C	40	
	5	Α	F	14	19	2E	23	28	2D	32	37	3C	41	46	4B	50	
	6	с	12	18	2E	24	2A	30	36	3C	42	48	4E	54	5A	60	
	7	E	15	1C	23	2A	31	38	3F	46	4D	54	4B	62	69	70	
	8	10	18	20	28	30	38	40	48	50	58	60	68	70	78	80	
	9	12	1B	24	2D	36	3F	48	51	5A	63	6C	75	7E	87	90	
	A	14	1E	28	32	3C	46	50	5A	64	6E	78	82	8Ĉ	96	A.O	
	в	16	21	2C	37	42	4D	58	63	6E	79	84	8F	9A	A5	BO	
	с	18	24	30	3Ĉ	48	54	60	6C	78	84	90	9C	A8	B4	C0	
	D	1A	27	34	41	4E	4B	68	75	82	8F	9C	A9	B6	C3	D0	
	Е	1C	2A	38	46	54	62	70	7E	8C	9A	A8	B6	C4	D2	EO	
	F	1E	2D	3C	4B	5A	69	78	87	96	A5	B4	C3	D2	E1	FO	
	10	20	30	40	50	60	70	80	90	A0	B0	CO	D0	E0	F0	00	

