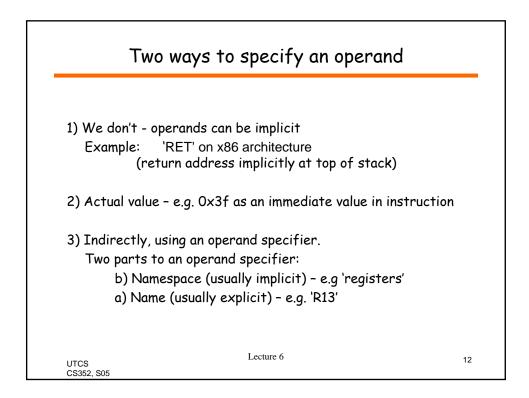
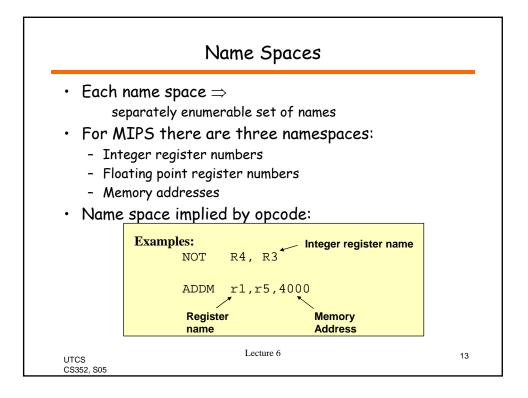
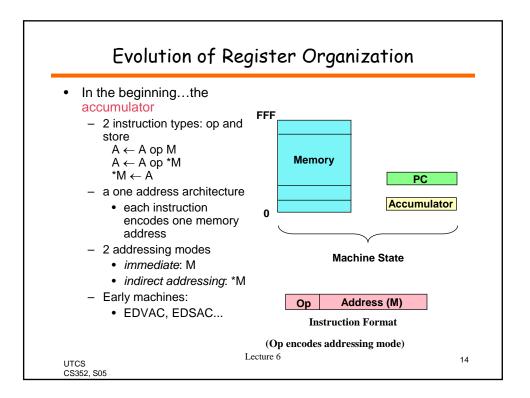
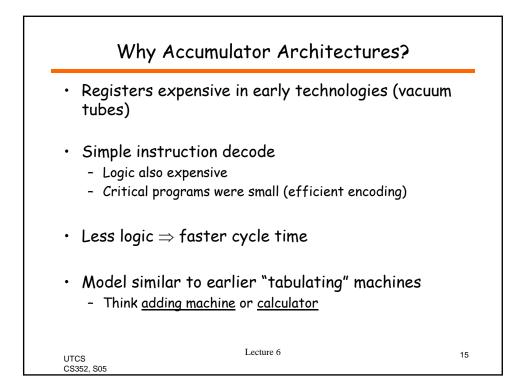


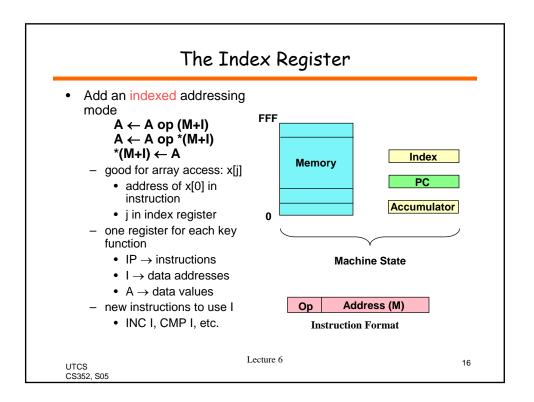
How many nar	nes (operands) pe	r instruction?
• No Operands	HALT NOP	
• 1 operand	NOT R4 JMP _L1	$R4 \subset R4$
<ul> <li>2 operands</li> </ul>	ADD R1, R2 LDI R3, #1234	R1 ⇐ R1 + R2
• 3 operands	ADD R1, R2, R3	$R1 \Leftarrow R2 + R3$
• > 3 operands	MADD R4,R1,R2,R3	R4
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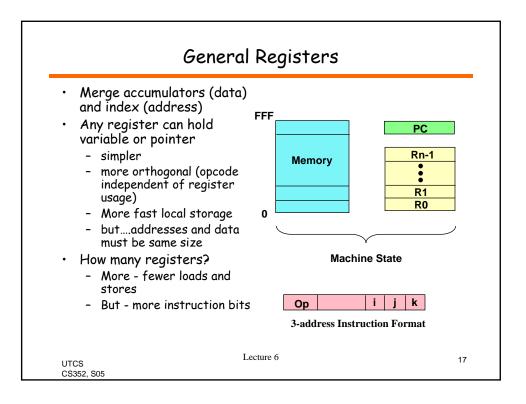


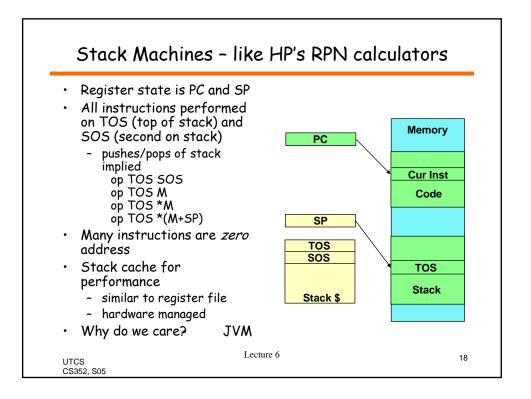


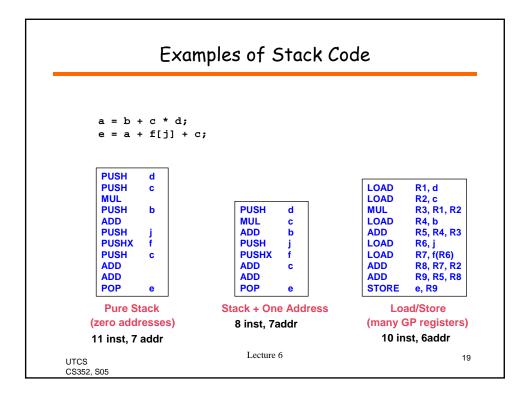


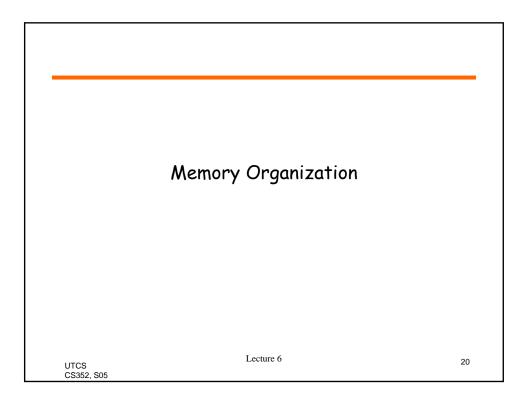


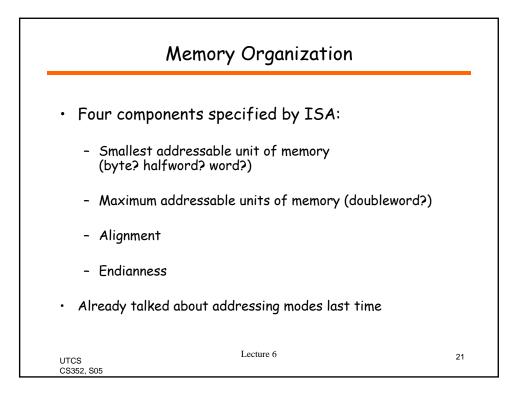


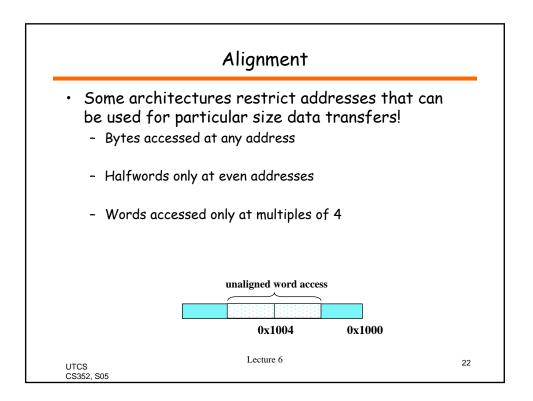


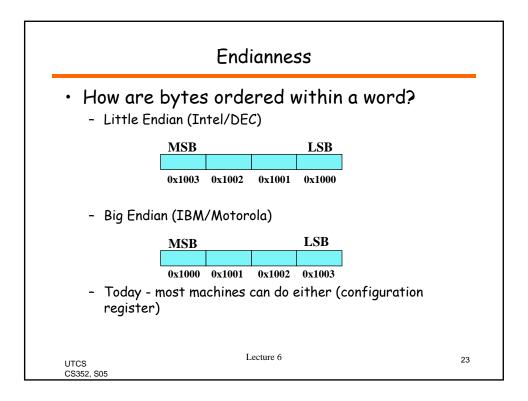


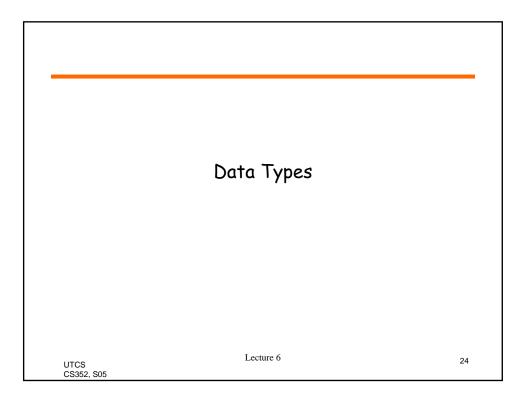


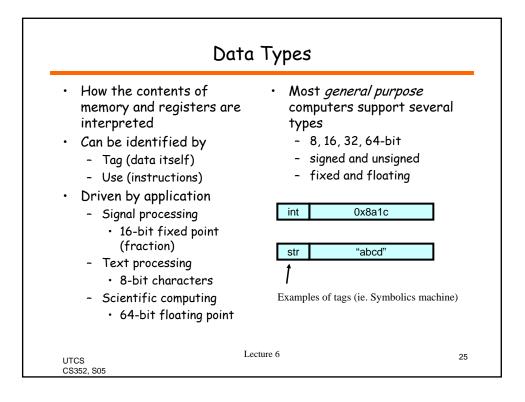


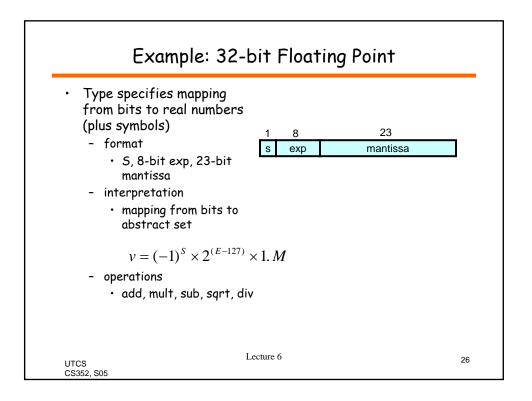




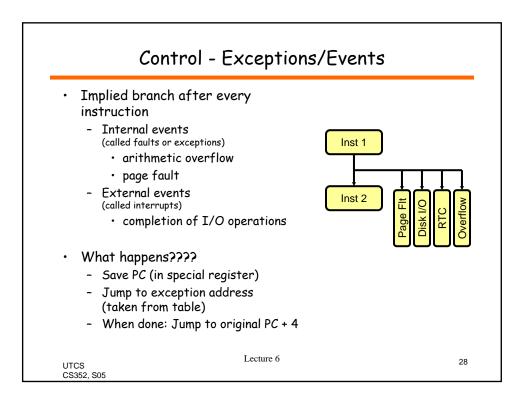


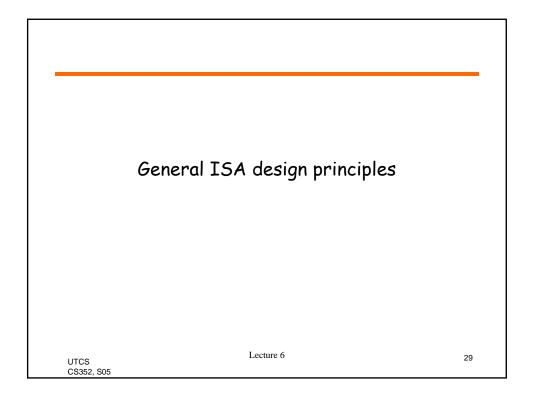


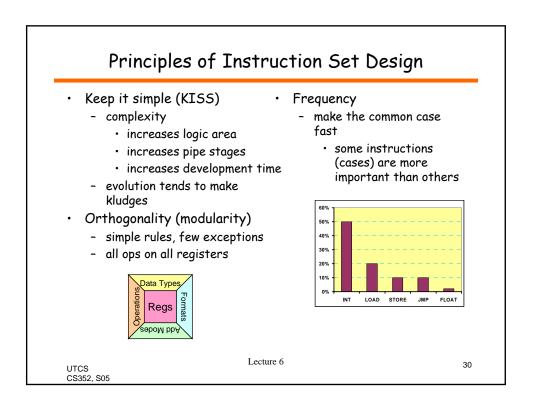


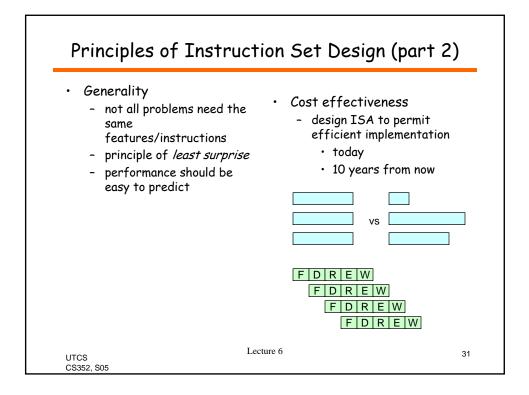


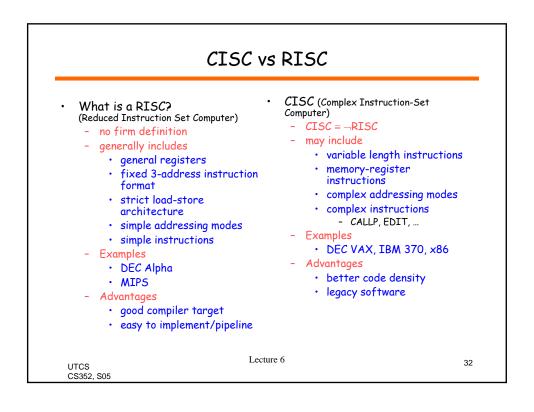


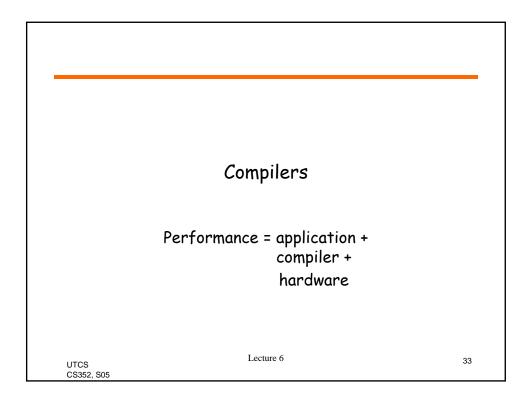


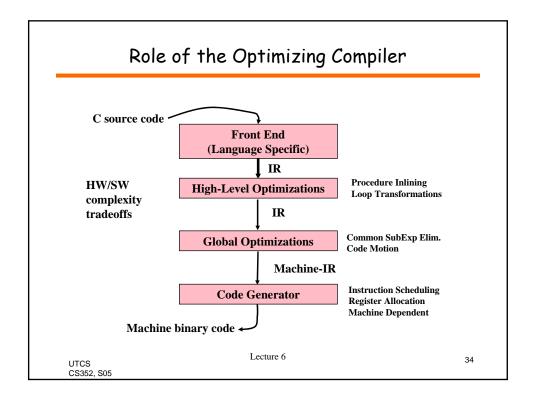


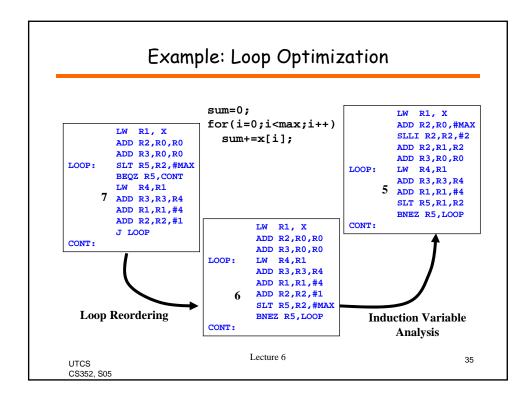


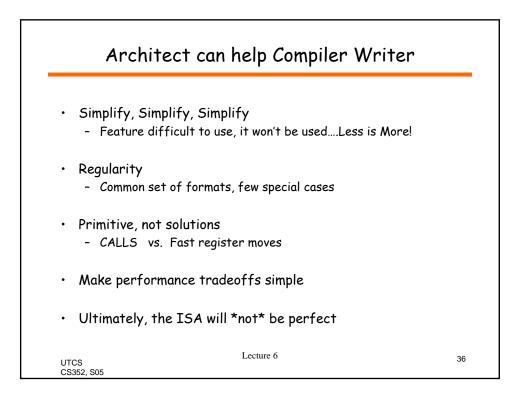


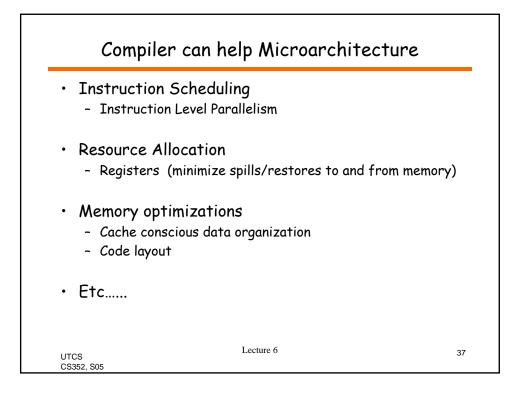












Summary	
<ul> <li>ISA principles</li> <li>Compiler/ISA interaction</li> </ul>	
<ul> <li>Next Time</li> <li>Simple processor datapath</li> <li>Reading assignment - P&amp;H 5.1-5.4</li> </ul>	
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