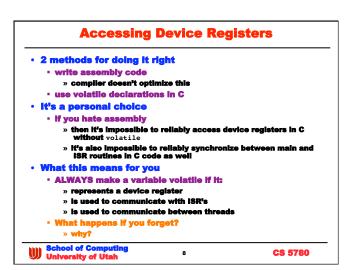
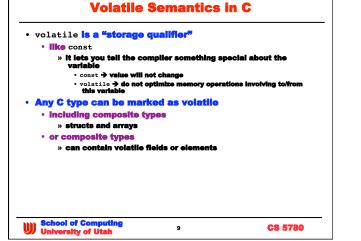
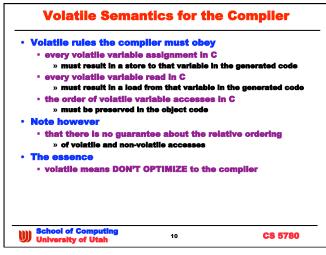


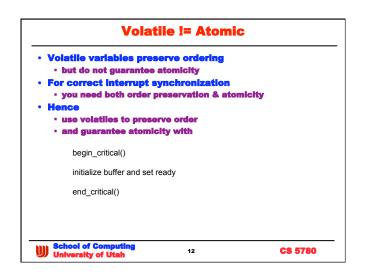
extern v	<pre>olatile char MY_PTJ @ (0x00000268) ;</pre>	
void Out	(unsigned char data) {	
MY_PT	J = 0;	
PTT=d	ita;	
MY_PT	J = 1;	
}		
For the sa	ne C code, CodeWarrior for HCS12 gives you t	his:
CLR	MY_PTJ	
STA	3 _PTT	
LDA	3 #1	
STA	3 MY_PTJ	
RTS		
ls i	right now?	

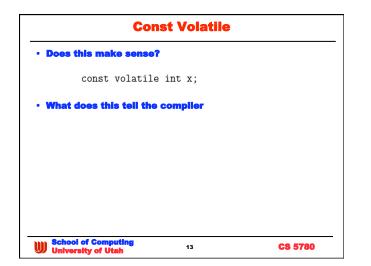


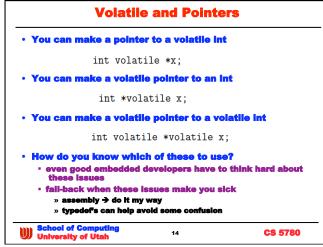




Volatile Non-volatile Reordering				
• Your code uses buffer that the buffer has be		n interrupt handlei		
	t buffer_ready; [BUF_SIZE];			
void buffer	_init() {			
int i;				
for (i=0;	i <buf_size; i++<="" td=""><td>)</td></buf_size;>)		
buffer[[i] = 0;			
buffer_re	eady = 1;			
}				
Compiler can move th initialization loop solutions?	e store to buffe	c_ready above the		
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Concluding Remarks				
Belabored something	g that seems simp	le		
• why?				
» if a large number » then you might to	of people have written o	buggy code		
» common solution • treating device : – they aren't th – 1/0 is all about	to most of these bugs registers as normal variab e same at side-effects and instance preservation is in	les		
Bottom line	, 10005			
• learn to love volati	ile			
Note: midterm is a wee – it would be w	k from next Tuesday vise to be caught up on	labs & reading		
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