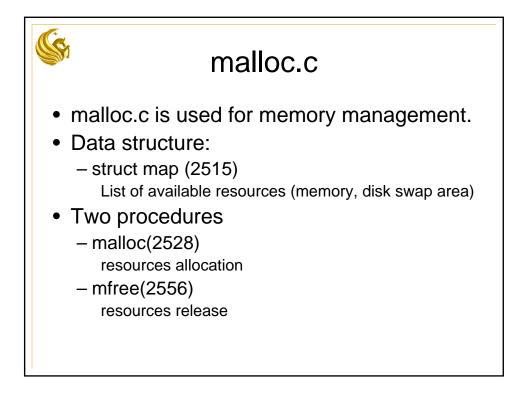
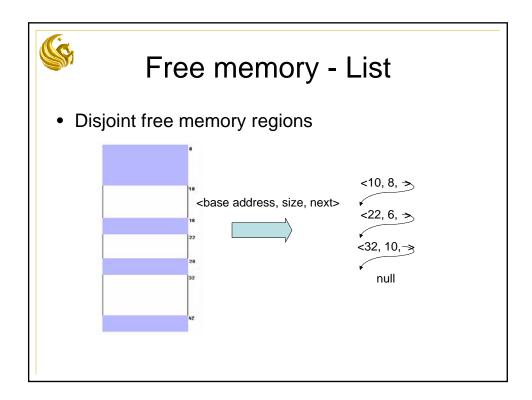
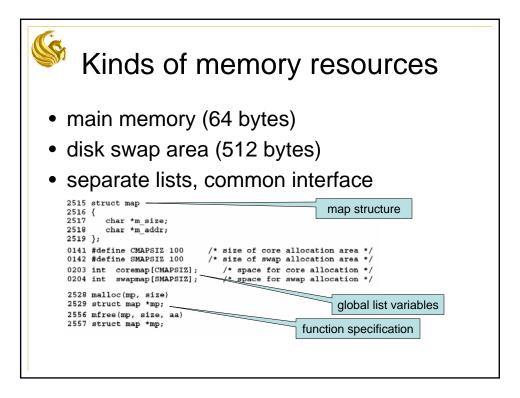
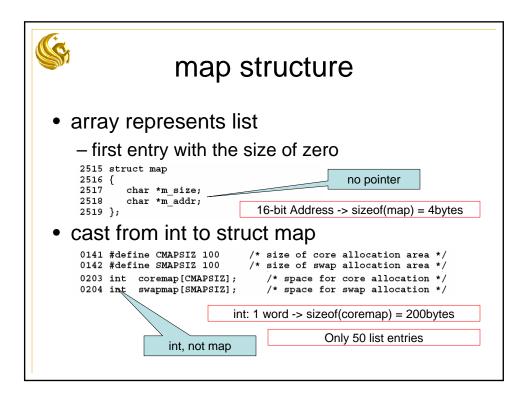


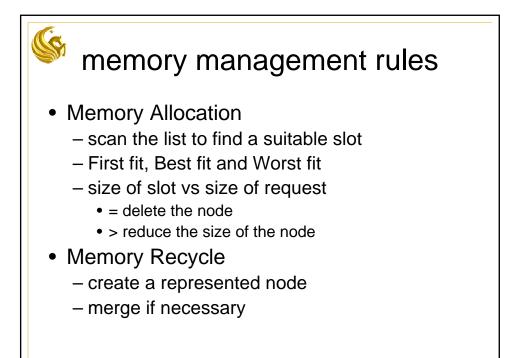
<u>(</u>	Overview
	"Two Files" – malloc.c – Hao Cheng • malloc
	 mfree prf.c – Alex Aved Stack organization putchar Transmitter registers printn
	 printf prdev, deverror, panic

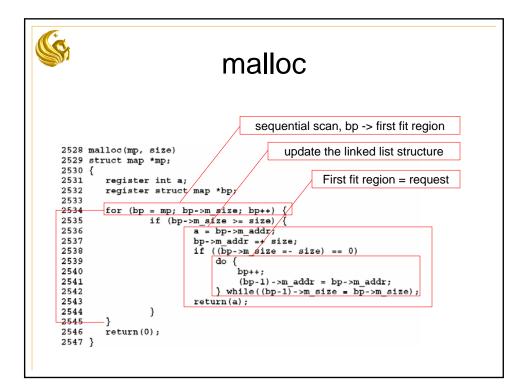


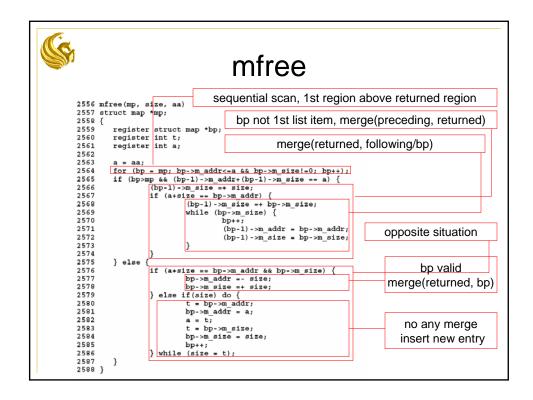


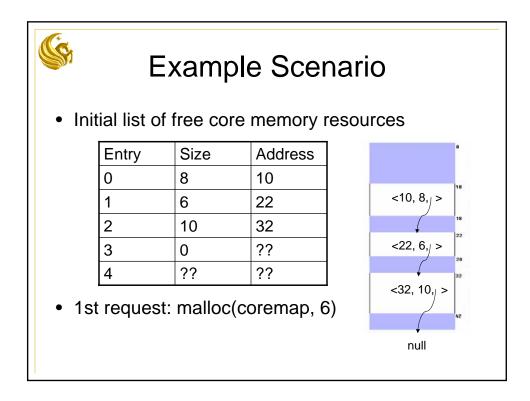


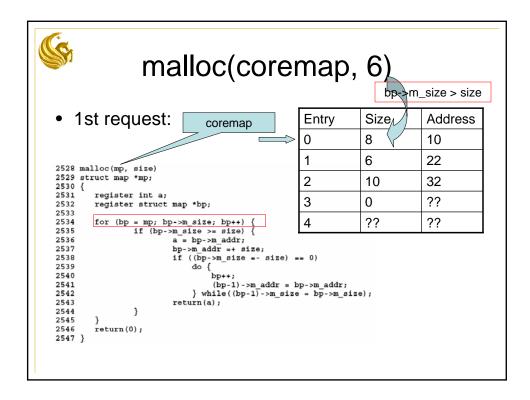


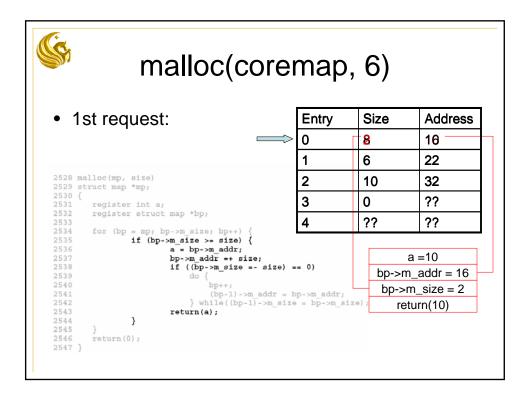


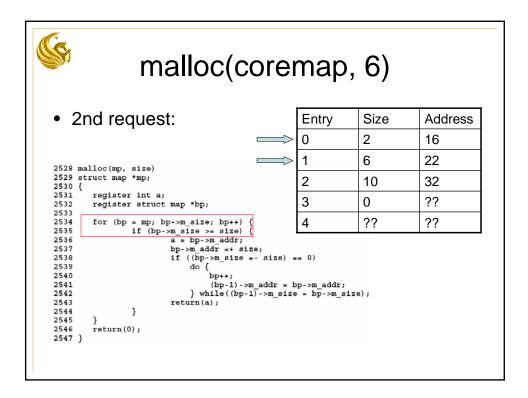


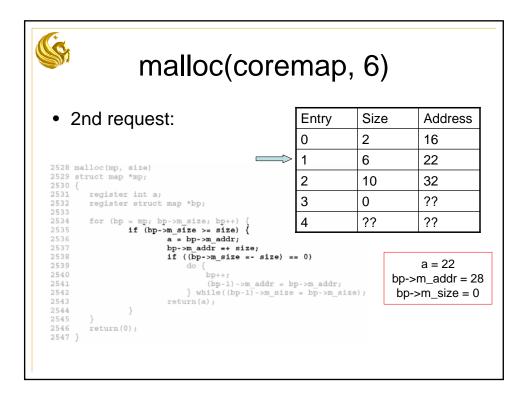


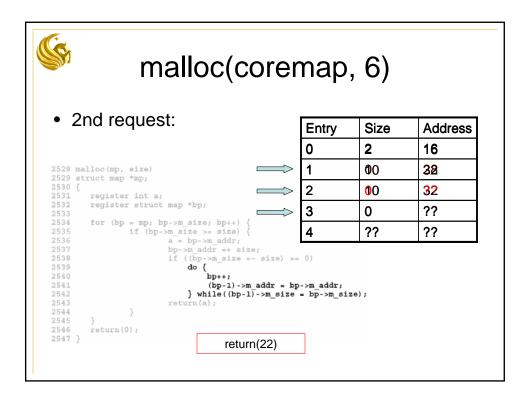




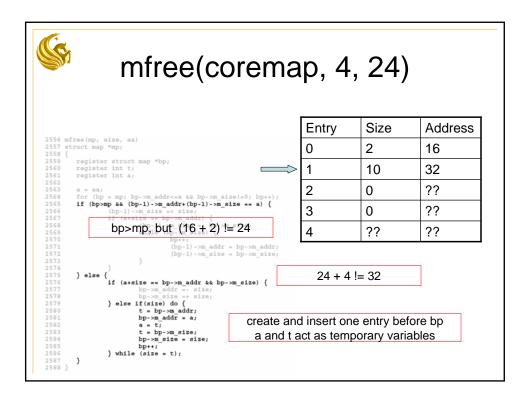


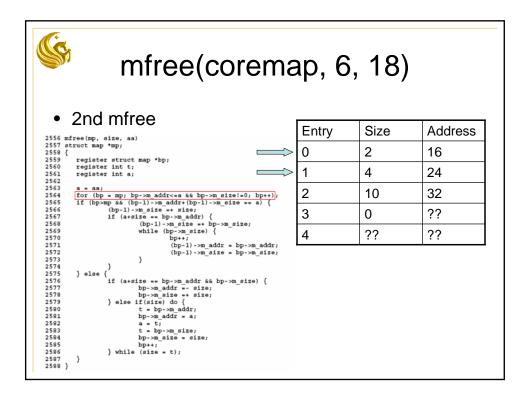


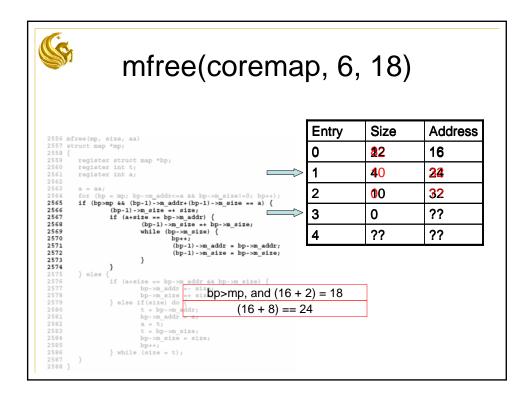


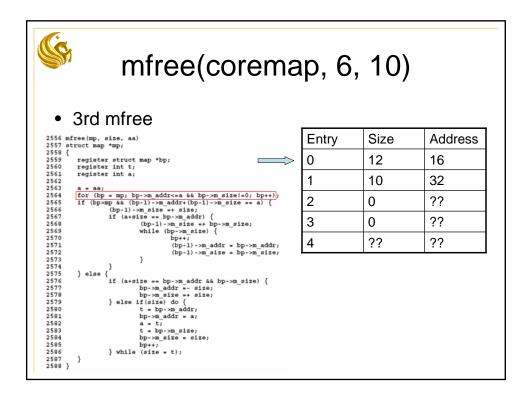


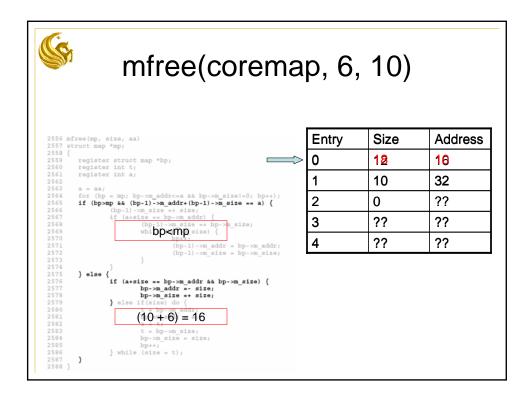
mfree(coremap, 4, 24)					
 Release resources 	Entry	Size	Address		
2556 mfree(mp, size, aa) 2557 struct map *mp; 2558 {	> 0	2	16		
2559 register struct map *bp; 2560 register int t; 2561 register int a;	> 1	10	32		
2562 2563 a = aa; 2564 [for (bp = mp; bp->m_addr<=a && bp->m_size!=0; bp++);	2	0	??		
2565 if (bp>mp && (bp-1)->m_sddr+(bp-1)->m_size == a) { 2566 (bp-1)->m_size =+ size; 2567 if (a+size == bp->m_addr) {	3	0	??		
2569 (bp-1) - >m_mize =+ bp->m_mize; 2569 while (bp->m_mize) { 2570 bp++; 2571 (bp-1) ->m addr = bp->m addr;	4	??	??		
2572 (bp-1)->m_size = bp->m_size; 2573 } 2574 } 2575 } else { 2576 } 2577 bp->m_addr & bp->m_size) { 2577 bp->m_addr =- size; 2579 bp->m_size =+ size; 2579 } else if(size) do { 2580 t = bp->m_addr; 2581 bp->m_addr = a;					
2582 a = t; 2583 t = bpm_size; 2584 bpm_size = size; 2585 bp++; 2586 } while (size = t); 2587 } 2589 }					

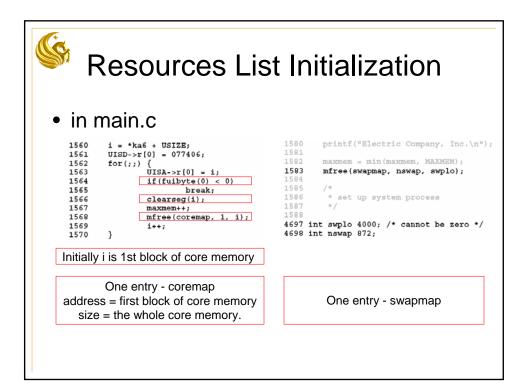


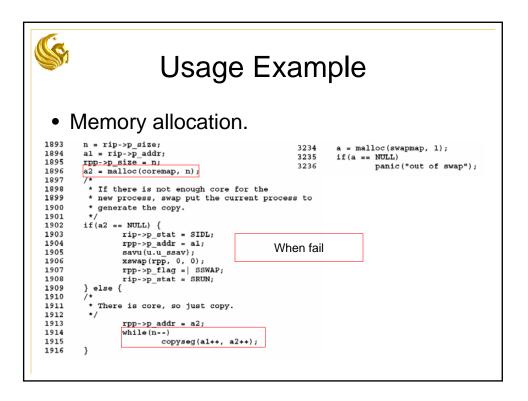


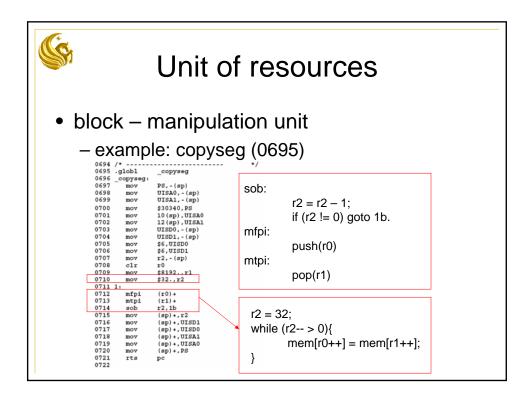


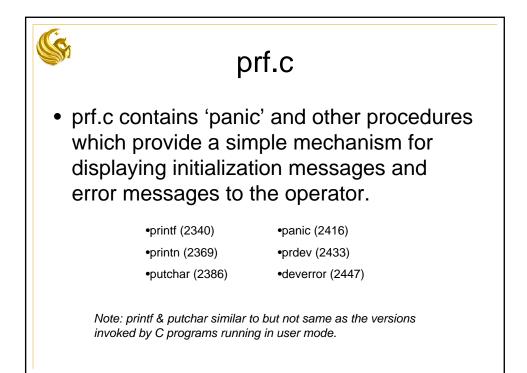


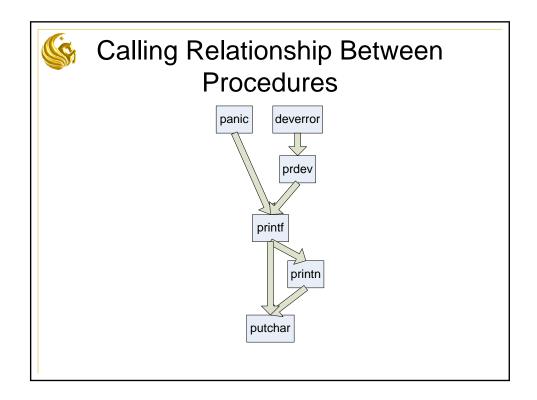


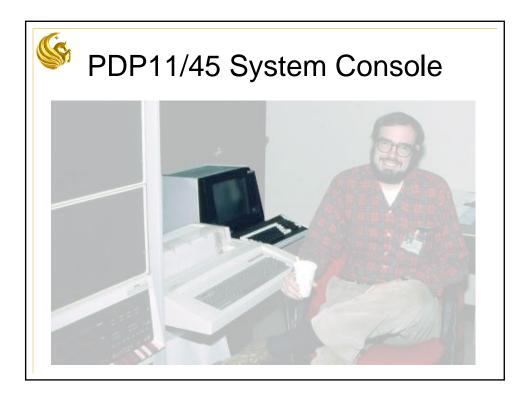


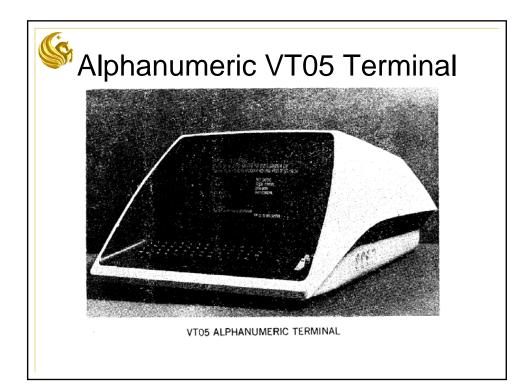




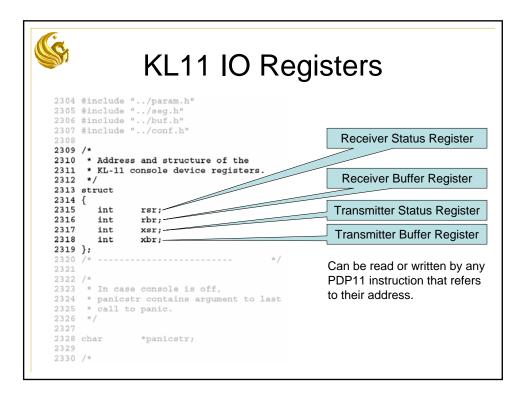


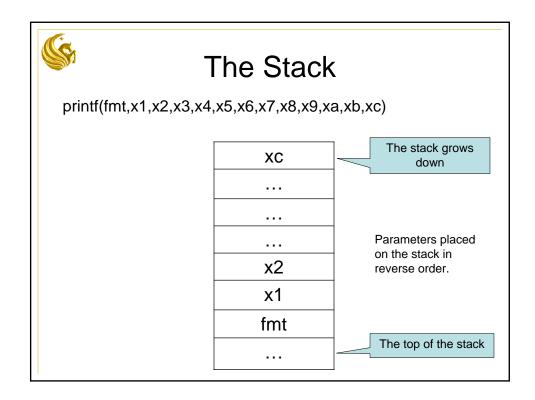


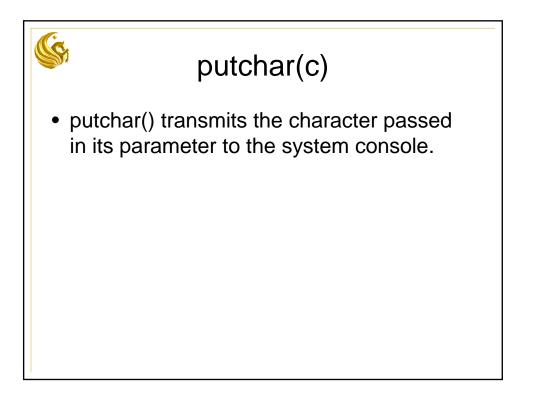


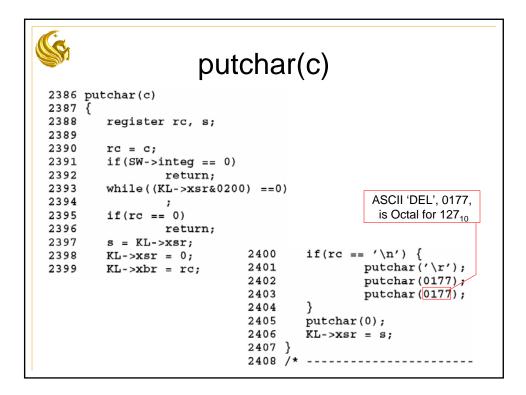


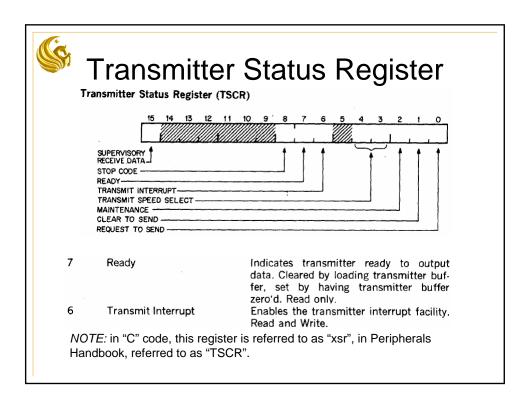
Device Registers					
0163	/* Certain processor registers */ #define PS 0177776	KL11 serial line controller			
0167	#define KL 0177560 #define SW 0177570	Console switch register			
0169 0170 0171 0172	, /* structures to access integers : */				
0173 0174	<pre>/* single integer */ struct { int integ; };</pre>	"Dummy" struct, used by putchar() to test if register pointed to by			
0177 0178 0179	/* in bytes */	SW is 0.			
0180 0181 0182	struct { char lobyte; char hibyte	o 7			
0184	/* as a sequence */				
0185 0186 0187	<pre>struct { int r[]; };</pre>				
0188 0189	/* */	/			



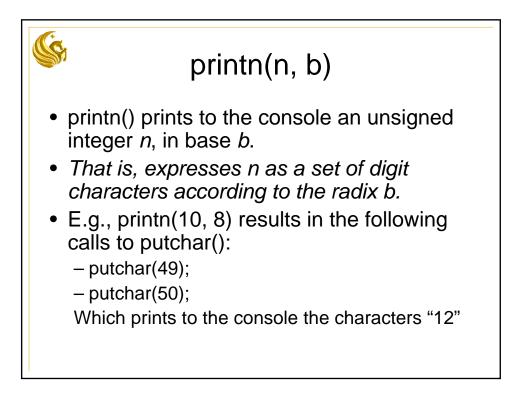


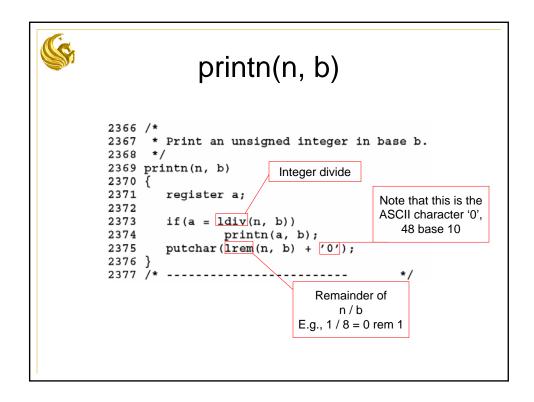


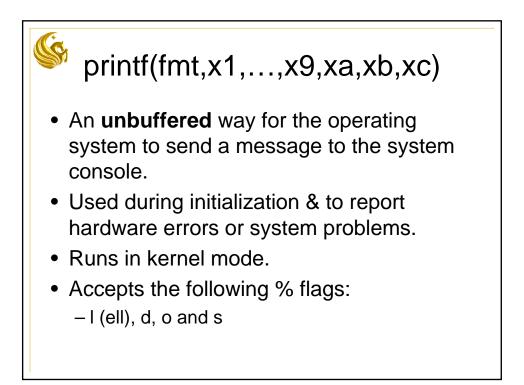


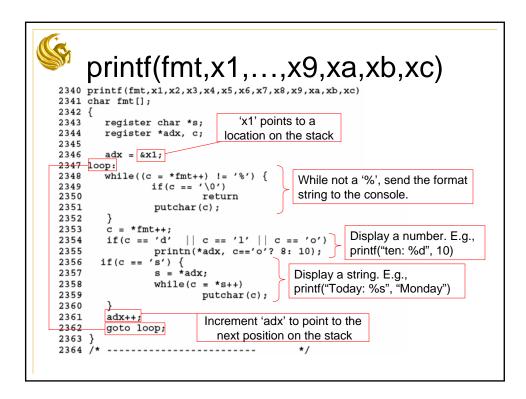


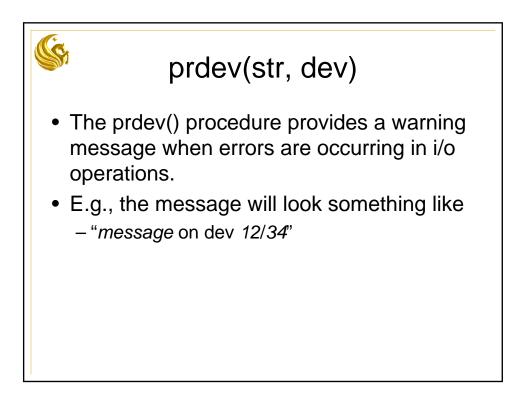
¹ Transmitter Buffer Register					
Transmitter Buffer Register (TBUF)					
	8-BIT DATA				
1					
8.2.4 Specifications					
Operating mode:	Full- or half-duplex selected under software con- trol.				
Data Rates:	50, 75, 110, 134.5, 150, 300, 600, 1200, 1800 Baud or one user specified Baud rate between 600 and 10,000. Four speeds are available to the user under program control. Transmitting and receiving rates are independent. See DC11 models for spe-				
Data Format:	cific combinations available. One start bit. Character size is variable under pro- gram control to 5, 6, 7, or 8 data bits. Stop code is programmable to one or two bits.				
Order of Bit:	Low order bit first.				
Transmission:					
Parity:	Computed on incoming data.				











```
prdev(str, dev)
2427
      * prdev prints a warning message of the
2428
2429
      * form "mesg on dev x/y".
2430 * x and y are the major and minor parts of
2431 * the device argument.
2432 */
2433 prdev(str, dev)
2434 {
2435
2436 printf("%s on dev %1/%1\n", str, dev.d major, dev.d minor);
2437 }
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                                            The 'd_major' number is an
                                            index into a system table to
                                            select a device driver.
4600 /* Used to dissect integer device code
4601 * into major (driver designation) and
                                            'd_minor' is passed as a
4602 * minor (driver parameter) parts.
                                            parameter to specify a
4603 */
                                            subdevice attached to a
4604 struct
                {
                                            controller.
4605
               char
                       d minor;
4606
               char
                       d_major;
4607 };
```

