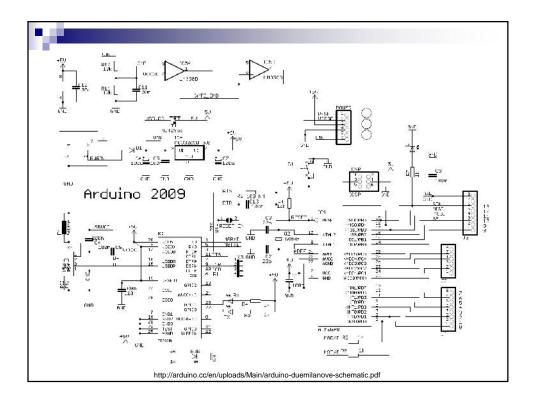
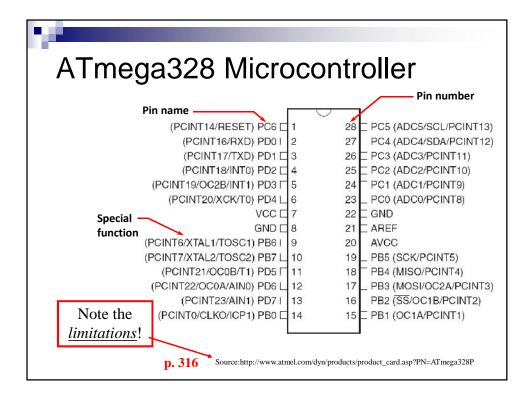
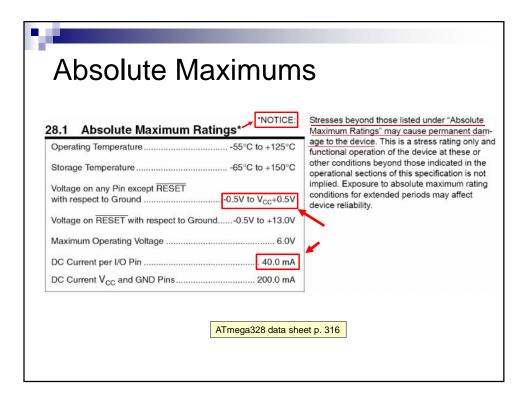
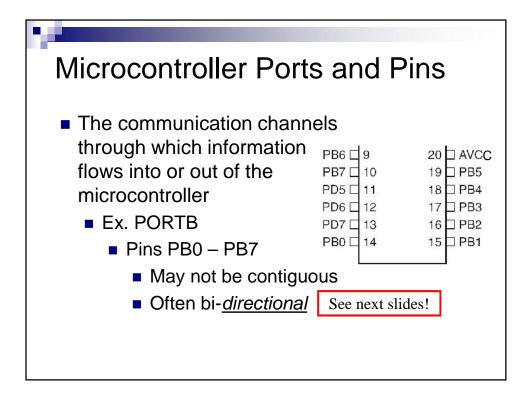


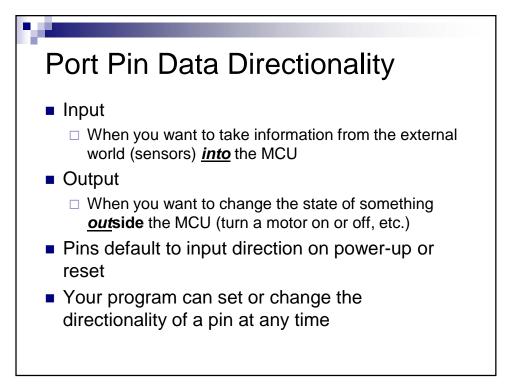
nilanove/Uno Features
ATmega168/328
5V
7-12V
6-20V
14 (of which 6 provide PWM output)
6
40 mA
50 mA
16 KB (ATmega168) or 32 KB (ATmega328) of which 2 KB used by bootloader
1 KB (ATmega168) or 2 KB (ATmega328)
512 bytes (ATmega168) or 1 KB (ATmega328)
16 MHz

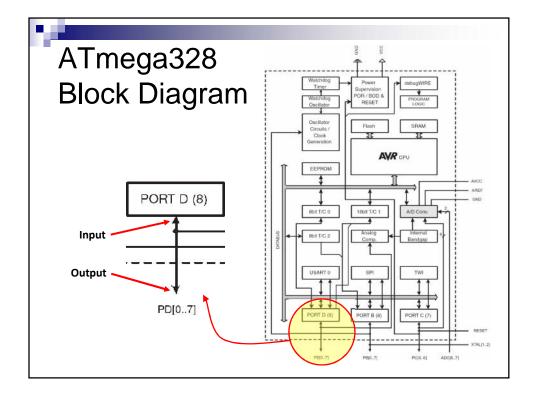


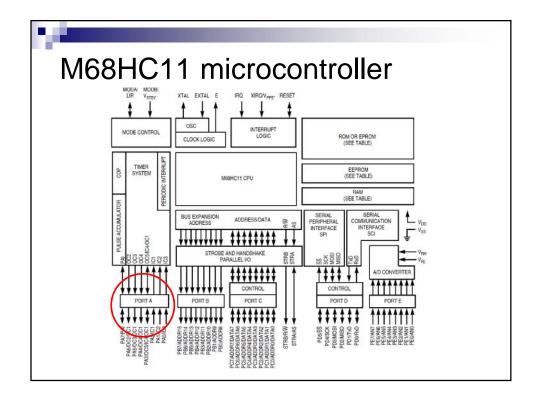


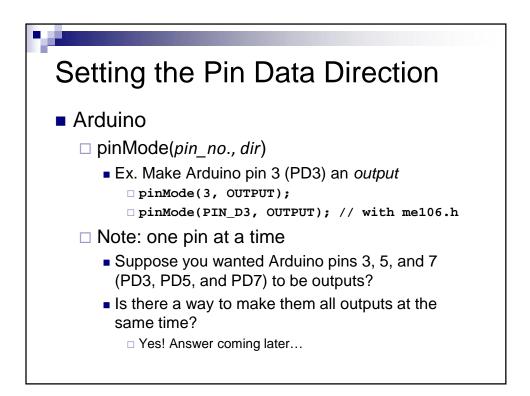


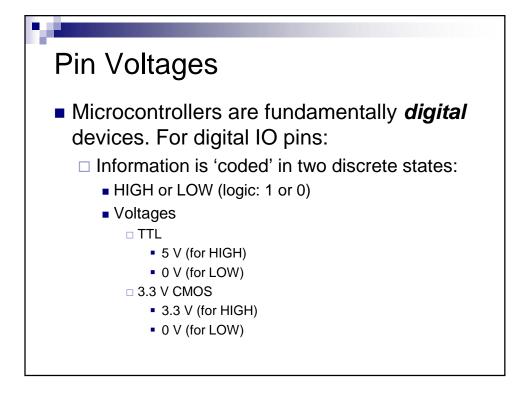


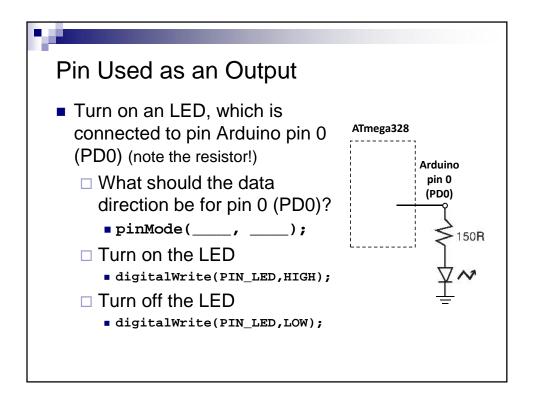


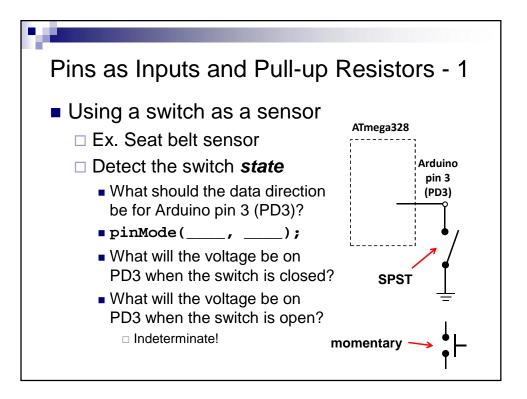


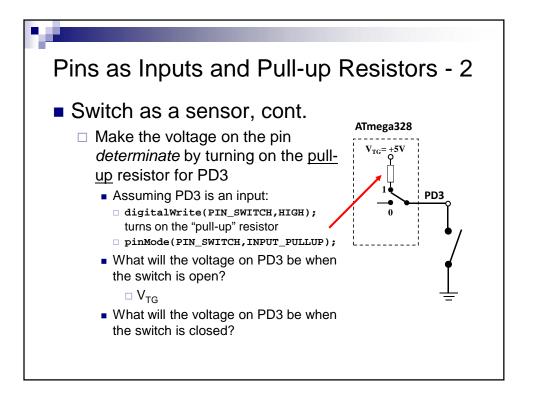


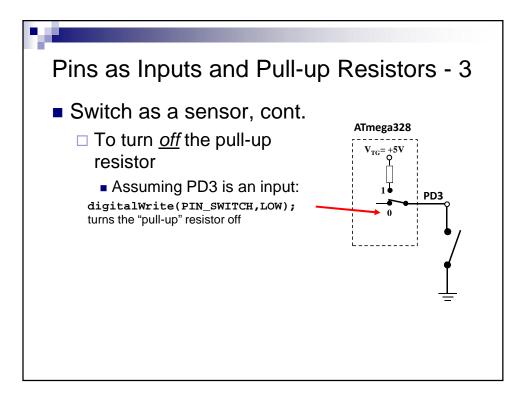


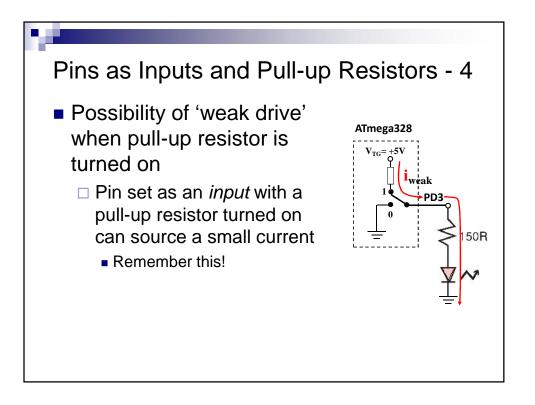


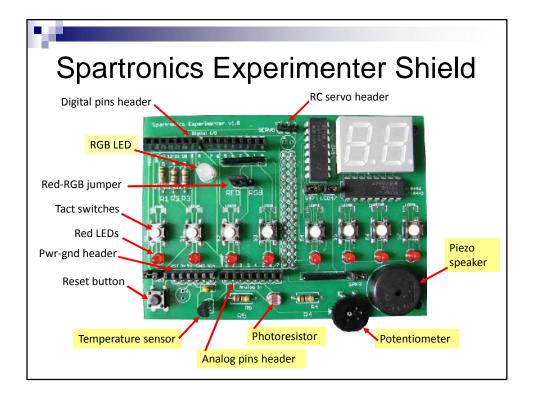


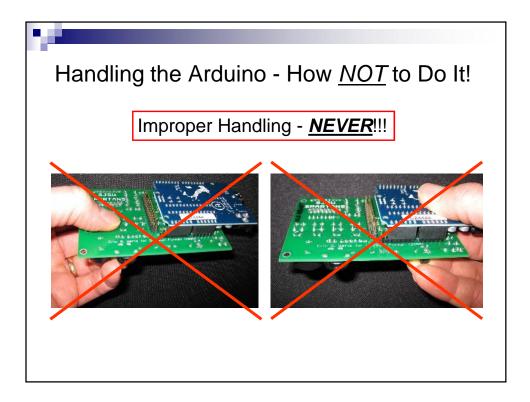


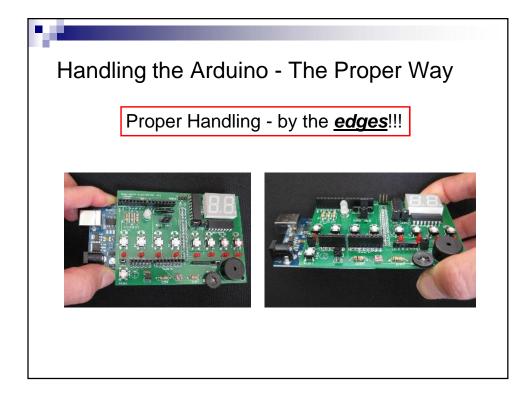


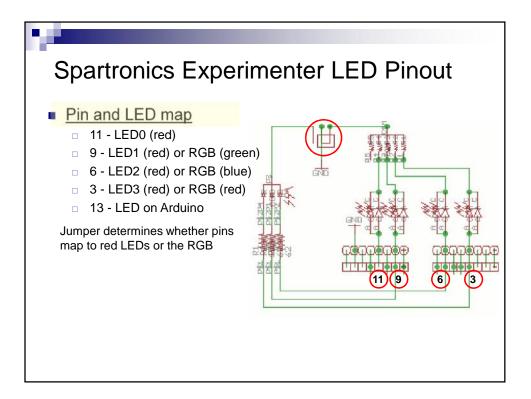


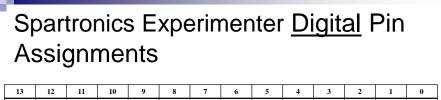




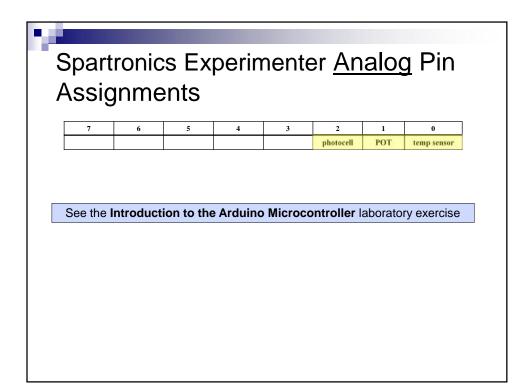


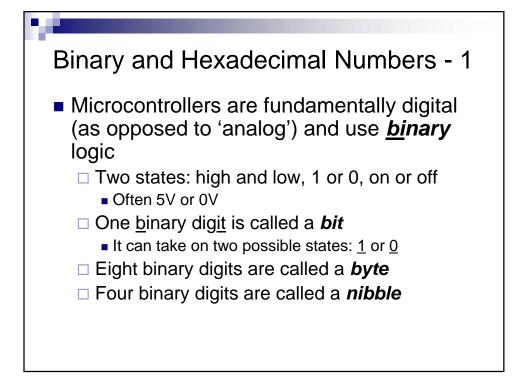


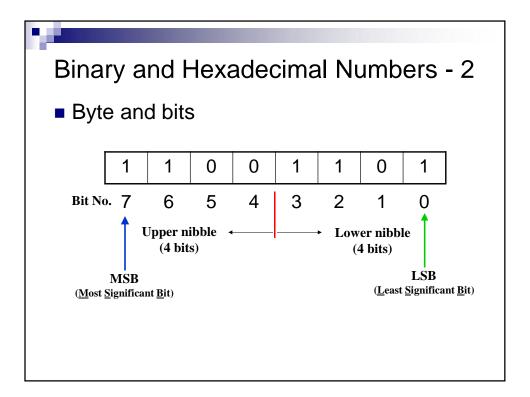


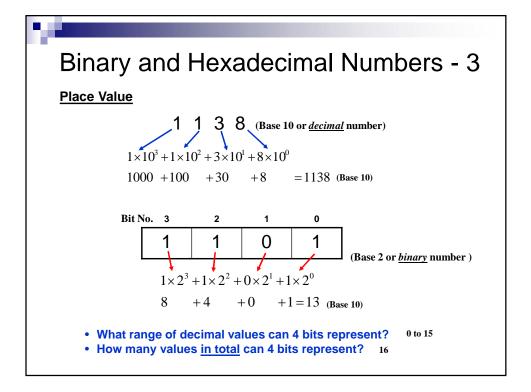


	12		10			, ,	v	5	-	5	-		
SCK	MISO	MOSI	SS	OC1	ICP	AIN1	AIN0	T1	T0	INT1	INT0	TXD	RXD
LED												LED	LED
		pwm	pwm	pwm			pwm	pwm		pwm			
		LED0		LED1			LED2			LED3			
				green			blue			red			
								piezo					
			servo										
	SW0				SW1	SW2			SW3				

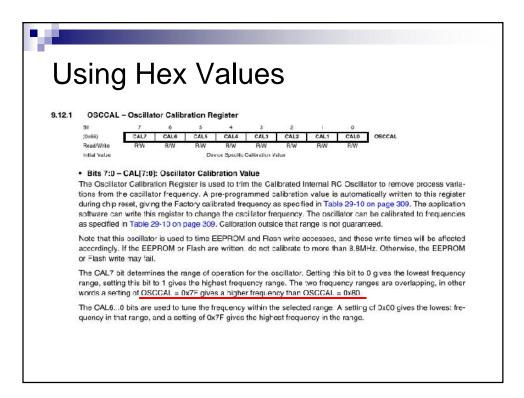


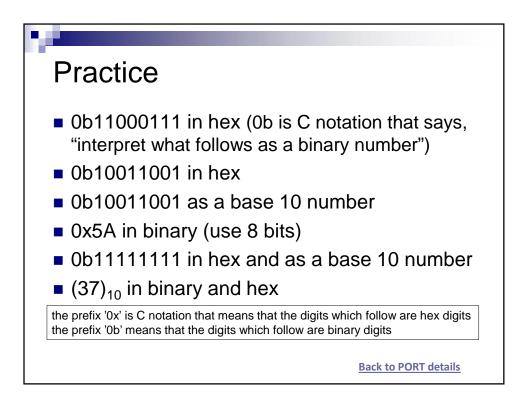






al Numbers - 4	adeci	l Hex	anc	iry -	ina
	HEX		nary	Bi	
Why is hex important?	0	0	0	0	0
	1	1	0	0	0
Que han dinit an ha	2	0	1	0	0
One hex digit can be used as shorthand to	3	1	1	0	0
represent four binary	4	0	0	1	0
digits	5	1	0	1	0
	6	0	1	1	0
Two hex digits can be	7	1	1	1	0
used as shorthand to	8	0	0	0	1
represent eight	9	1	0	0	1
binary digits or one	Α	0	1	0	1
byte	В	1	1	0	1
	С	0	0	1	1
	D	1	0	1	1
	E	0	1	1	1
	F	1	1	1	1





## Solution

- 1100 0111 in hex = 0xC7
- 1001 1001 in hex = 0x99
- 1001 1001 in base 10 = 153
- 0x5A in binary = 0b0101 1010
- 0b1111 1111 = 0xFF or 255
- (37) = 0b0010 0101 or 0x25

