Week 2.		
Pt. 1		
Bits LBi	nary digits) o	1 b-y te = 8 bits.
lo bits	= 1 k values.	ASCII => 7 bit vode.
20	1 Mega	reperesent 128 Latin Alphabet.
	1 Giga.	Unicode => 16 bits.
	0	includes non-Latin alphabets.
ASCIL	lodes: :0-31	Non-Printable charactors. 127 del.
		18-64, 91-96, 123-126 Symbols.
		Numbers.
		Capital charactors.
2	1, -1	Minor charactors.
	$V^2 \sum_{i=m}^{n} a_i b^i$	
Some 7:	actions connot	he reperesented in other base.
Range:	Max-Min	
	n bis binary.	range from 0 to 2 ⁿ -1.
Precision	How precise +	the number is reperesent. e.f. 3.14119
		5 decimal digits
		its presicion is l'in 105
		5 significant Figures.
Acuran	of 2 Example The	difference between the measure some
	0	
Acura	9	d the object's actual rathe.
and		P. Th = 3.14 is not error.
Precisa	n	Mesure a 20 cm stick as 19.89 cm,

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is not the same. \ the error is 0.11 cm.
Sign and Magnitude representation.
(-1) 5 x M. the range is 2n. (-2n-1-2n-1-1)
 => e.g. +13,0 = 000011012
        -13.0=100011012.
Which is used in Hoating point arithmetic.
Two ways to reperesent 0: 00 or 10 (to/-0)
Biased Reperesent Lexiess - k)
Shift the scale to have only non-negative volmes.
Range: 2n (0-2n-1)
Two's Complementary Arithmetic.
Range: 2n (-2n-1-2n-1) zero has only one reperentation.
P+Q=2" In 2's Complementary, regative starts with1
           while positive numbers start with O.
e.g. 2,0 = 00000010 -2,0 = [1111110
Operation results fall outside the range => Overflow occurs.
Overflow; adding two positive number y'eleling negative
                  two negative
                                           positive.
e.f. 0/1/1/0/00022/0/1/2
positive positive negative
sign bit of result different from sign bit of A and B
=> Overflow Occurs.
Carry-in bit => sign bit Carry-out bit - next bit of sign bit.
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