Declaving variables "sigued 8-bit" -128 - 127 char a; unsigned char by "8-bit" 0-255 -32768 "signed 16-bit" int is to 32767 "16-bit" unsigned int -65535 "signed 32-bit" long -2,147,483,648 +2,147, 483,647 unsigned long Tmr; 0 -> 4,294,967,265 Ether Net Media 48-bit 281.5 Trillion Access Control 64 bit 18.45 Quintillion float X; \$\frac{\mathbb{E}_{\gamma}P}{8} \frac{23}{23} 0.9 ×10=9×10' 1. Significand $1 \rightarrow 2$ b. b_23 1 2 Exp-127 1+2 b, +2 b2 t... 2 b2. double [=] 11/52)

$$n = n + m;$$
 // $n + = m;$
 $n + = 1;$ // $n + + ;$ $t + n;$
 $n + = 1;$ // $n + + ;$ $f(t + + n);$
 $n = n - m;$ // $n - = m;$
 $n - = 1;$ // $n - = - n;$
 $n = n + m;$ // $n + = m;$
 $n = n / m;$ // $n / = m;$

Bit wise Logicals N = mask; N = mask;

0001 -01000 m ((UL < b)

Memory (Storage)

Address > Internal Reg. 2 K bytes OXOIF 1.5 K Variables

unsigned long ji unsigned long millis (\$ void) E unsigned long ij Stack

return L;

3

char str[]="This is a test";

str[3] = 's';

char str[32];

