cd pub/cs240

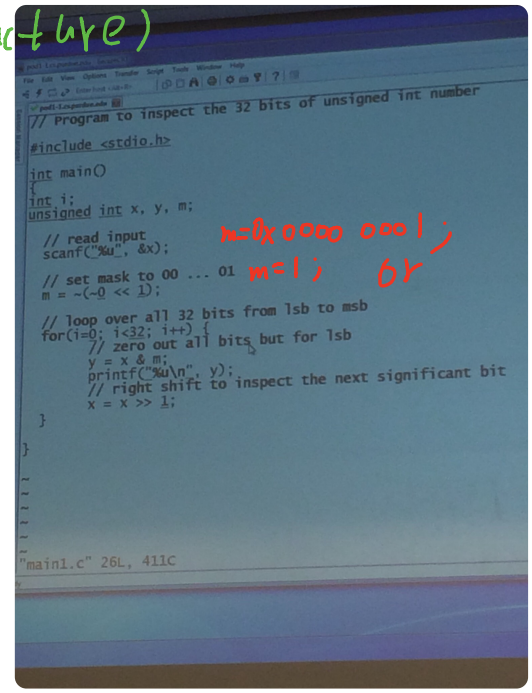
/u/data/w3/park/pub/cs240/

(could be complicate data structure)

input data : x

mask : m

output :



32-bit

$x = x_{31}\ x_{30}\ \cdots\ x_2\ x_1\ x_0$

ignore by mask

$m = 0\ 0\ \cdots\ 0\ 0\ 1$

And

$y = 0\ 0\ \cdots\ 0\ 0\ x_0$

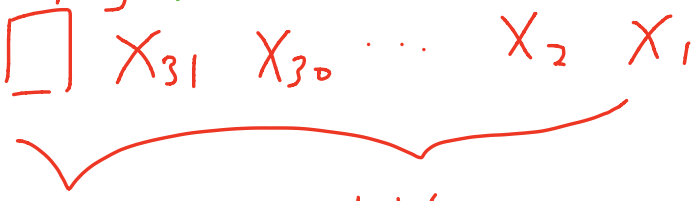
x_0: 0 or 1

✓ interpreted as whatever you want

unsigned int :

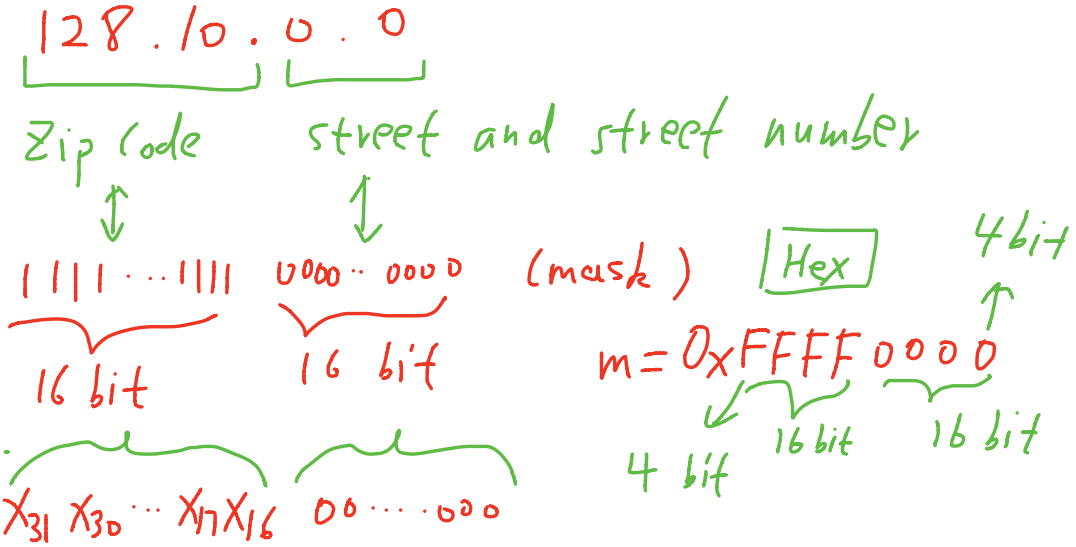
x >> 1 right shift by 1

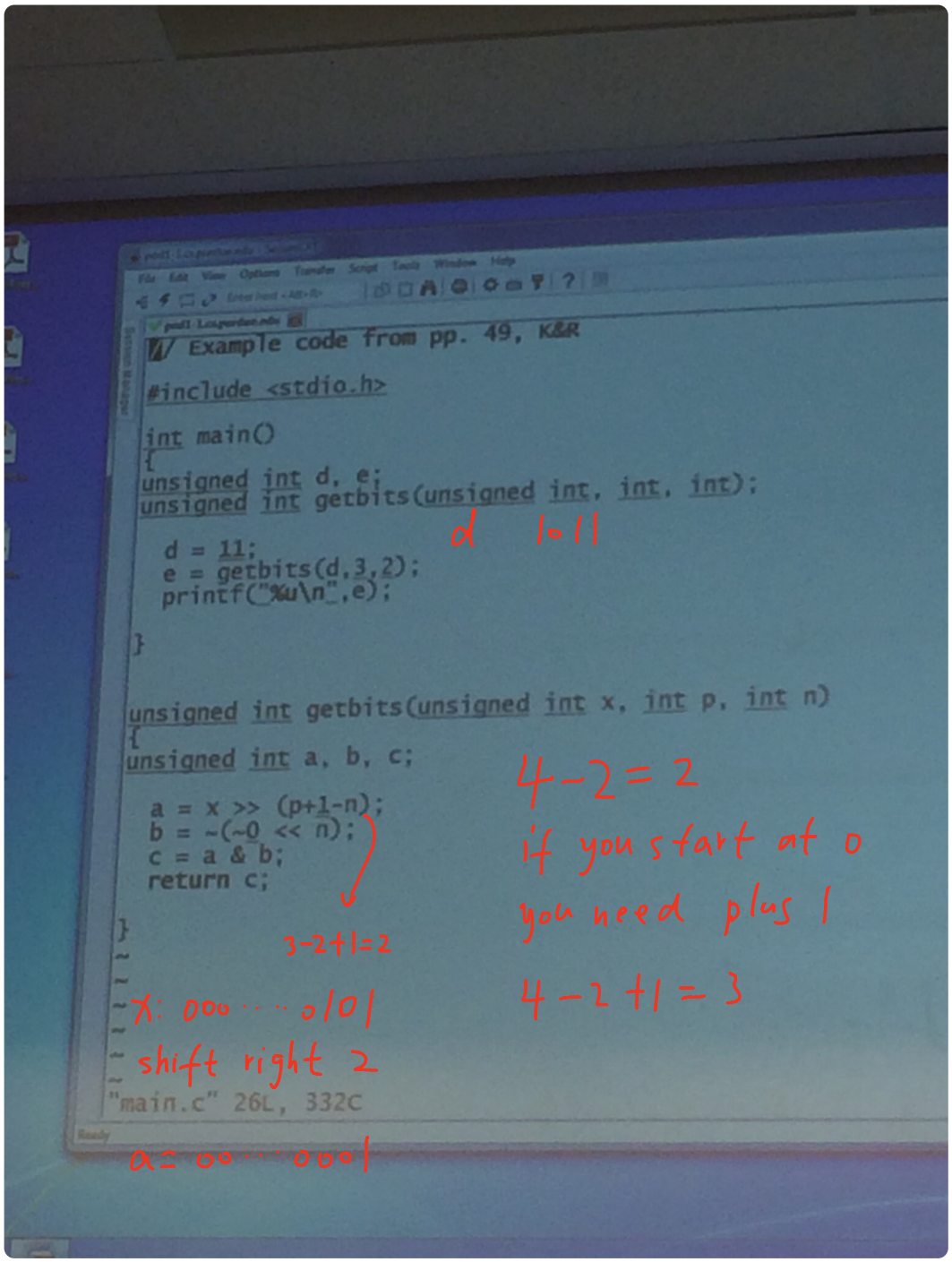
empty (fill with 0, typically)



easy way:

IP address 32 bit long





~0 1111...1111

~0<<n: 1111...1100

n=2

b= ~(~0<<2): 0000...0011

first two bits And

0000 · ...0010 a

c= 0000 ··· 0010

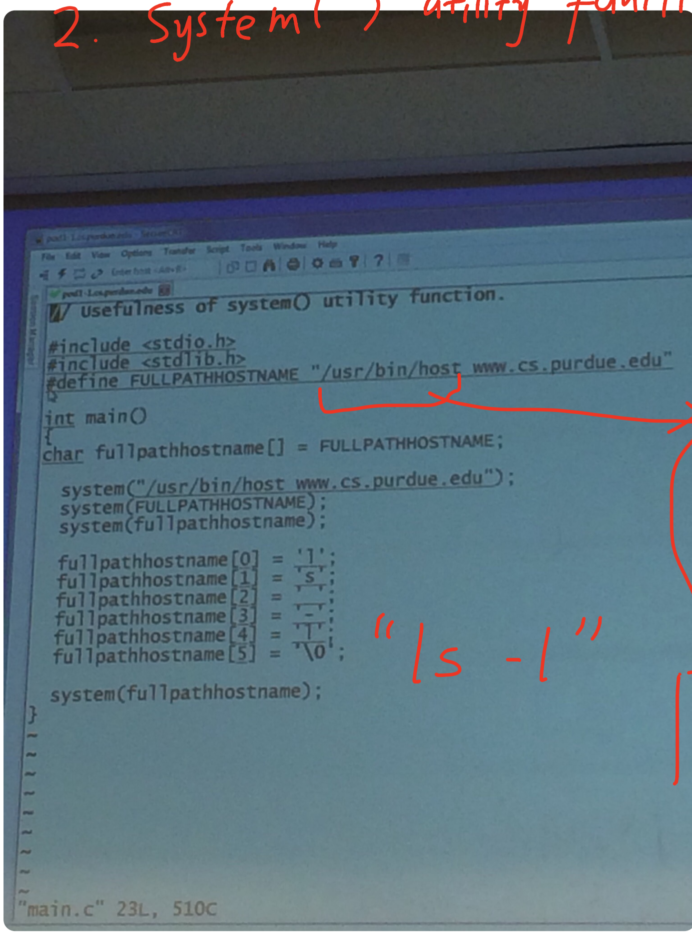
window size n;

start from : p;

---

2. System( ) utility function

run in shell



"ls -l"

binary code already been compile, linked

legacy app

not function

↓

library