

Saturday, 27 August 2022 6:55 PM

Encryption

Plain text = Hello

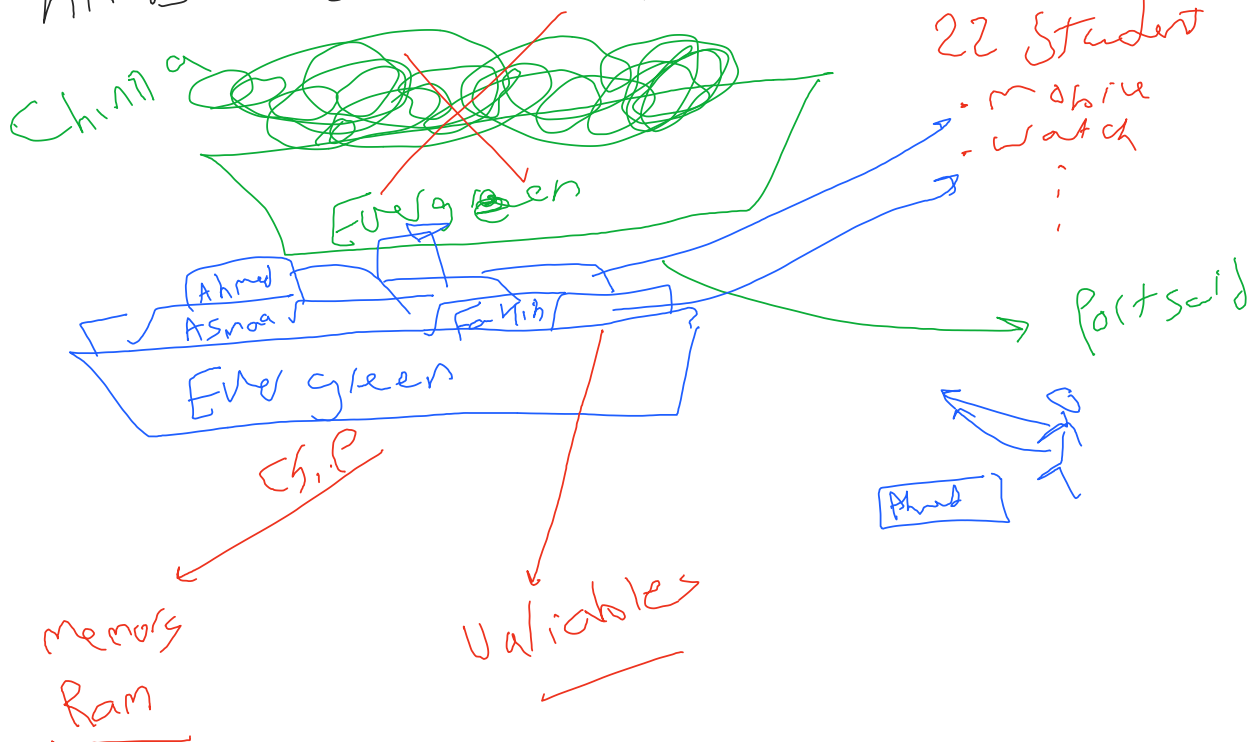
Cipher text = IFMMP

Key = 1

encrypt

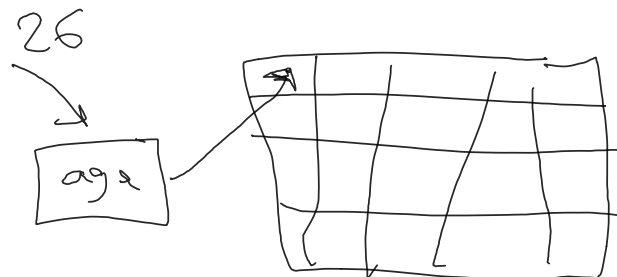
decrypt

Alibaba online ap

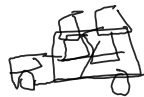
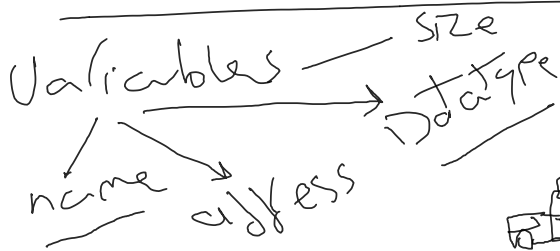


```
int age;  
age = 26;  
cout << age;  
age = 5; Print  
cout << age;
```

Over write.



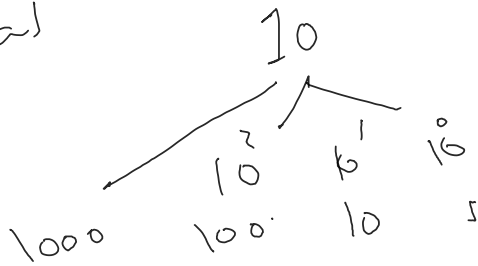
low memory



vetting → glass
→ car

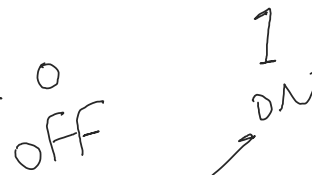


Decimal



binary

Computer → Deaf

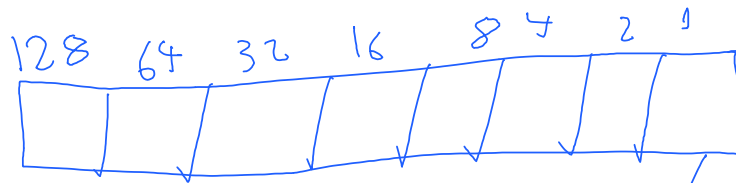
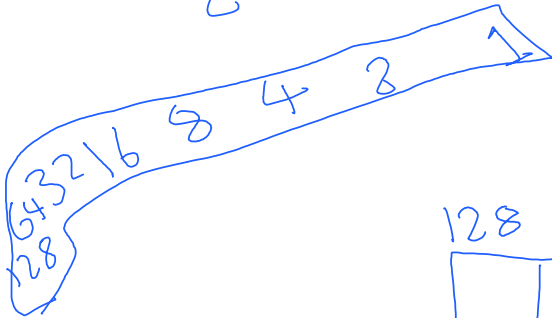


Sign language to talk computer

by using those two finger

represents any data
- numbers
- text

2² 2¹ 2⁰

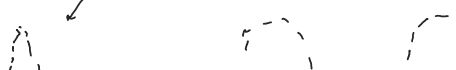


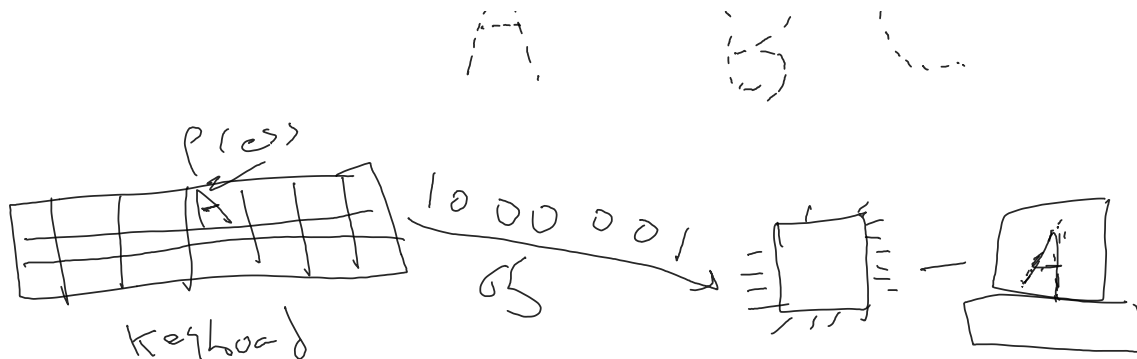
byte

bits

letters

128	64	32	16	8	4	2	1
0	1	0	0	0	0	0	1

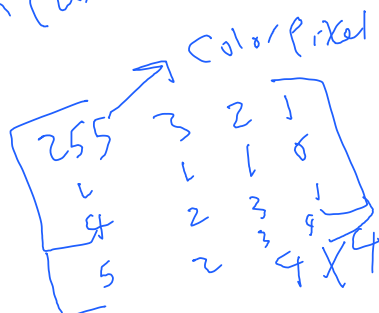




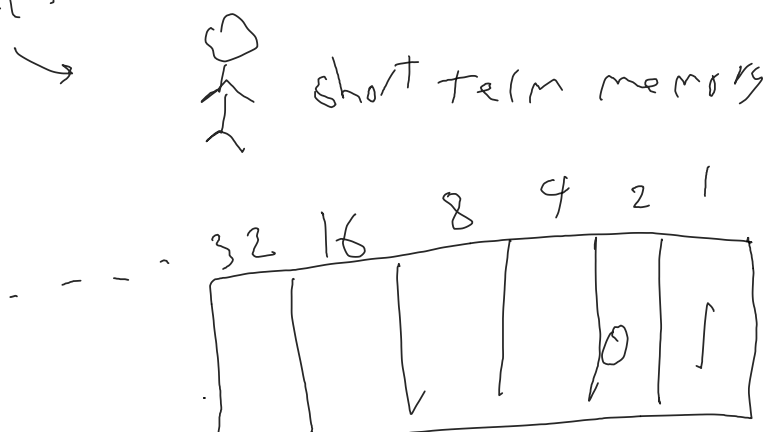
Colors How Computer See Colors



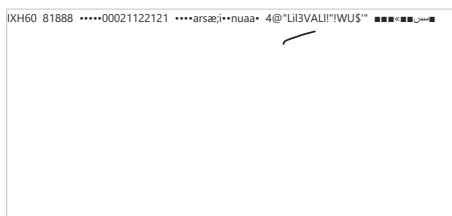
How Computer See Picture



Ram



Lat 57

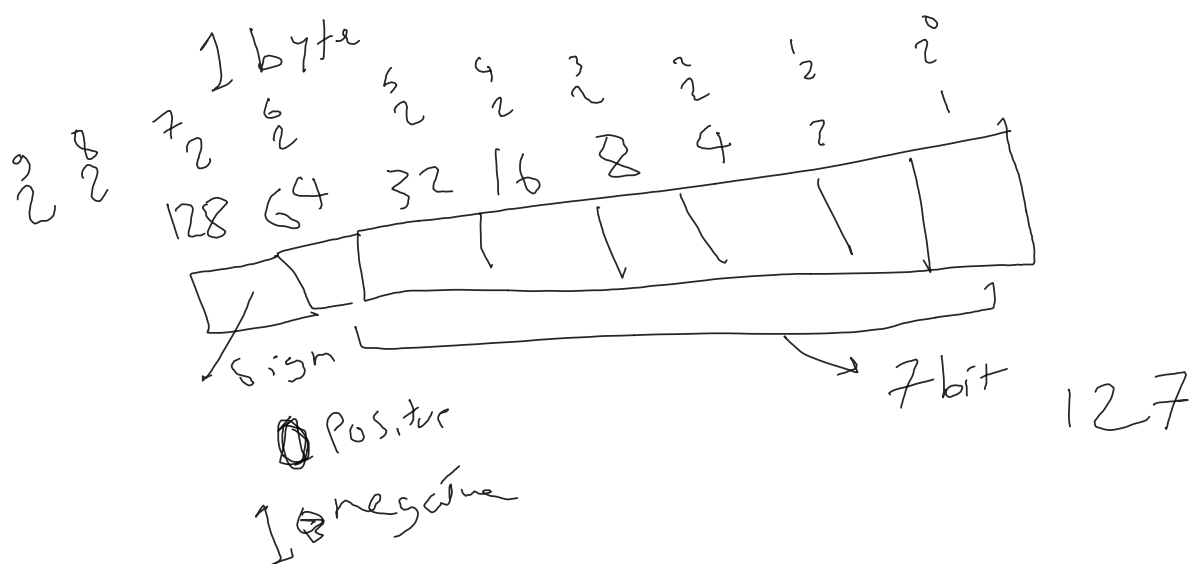


cap: 40'

word → byte
2 byte
4 byte

Variable Size:

short \rightarrow 2 bytes \rightarrow + 32,000
 int \rightarrow 4 bytes \rightarrow + 2 billion
 long \rightarrow 8 bytes \rightarrow + 2 billion



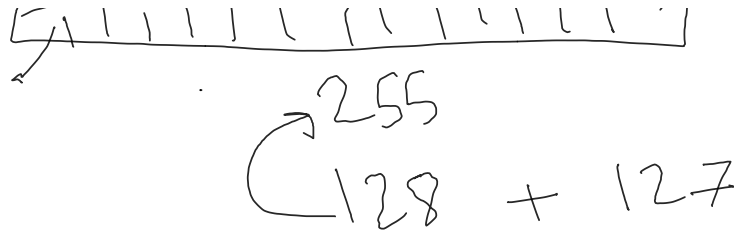
char c; byte

128 64 32 16 8 4 2 1

[illegible]

un Signed Variable

128



Unsh Short 32,000 +

Type	Size (in bytes)	Range
char	1	-127 to 127 or 0 to 255
unsigned char	1	0 to 255
int	4	-2147483648 to 2147483647
unsigned int	4	0 to 4294967295
short int	2	-32768 to 32767
unsigned short int	2	0 to 65,535
long int	4	-2147483648 to 2147483647
unsigned long int	4	0 to 4294967295
float	4	+/- 3.4e +/- 38 (~7 digits)
double	8	+/- 1.7e +/- 308 (~15 digits)

Arion 6

64 byte
16 byte

```

12
13 short salary=30000;
14 cout<<salary<<endl;
15
16 unsigned short salary=30000;
17 cout<<salary<<endl;
18 return 0;
19

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

gcc code/charvariables/charvariables.cpp:13:18: warning: implicit conversion from 'int' to 'short' changes value from 30000 to -29320 [-Wshort-int-implicit-conversion]

1 warning generated.

255

30000

Cout<< → Con Sole output.

Cin >> → Con Sole input.

Condition



Logical

⇒ Sequential execution ~~---~~
Cmp Count variable

⇒ Conditional execution ~~---~~

⇒ Repetive execution ~~---~~