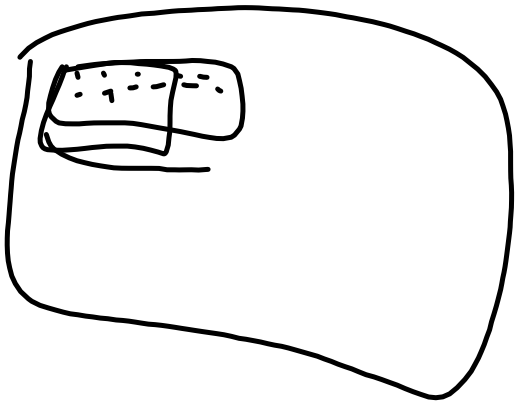
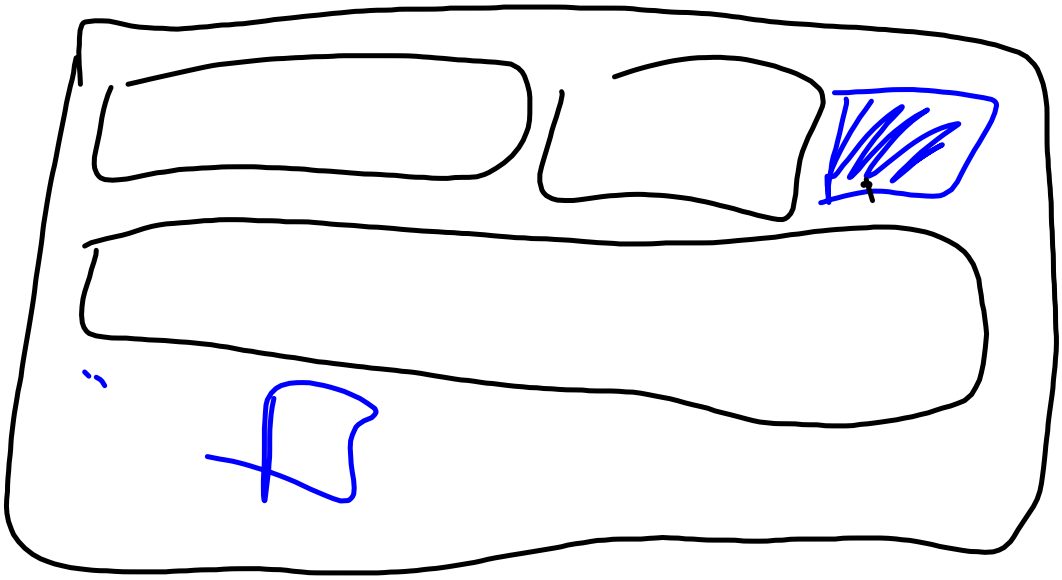
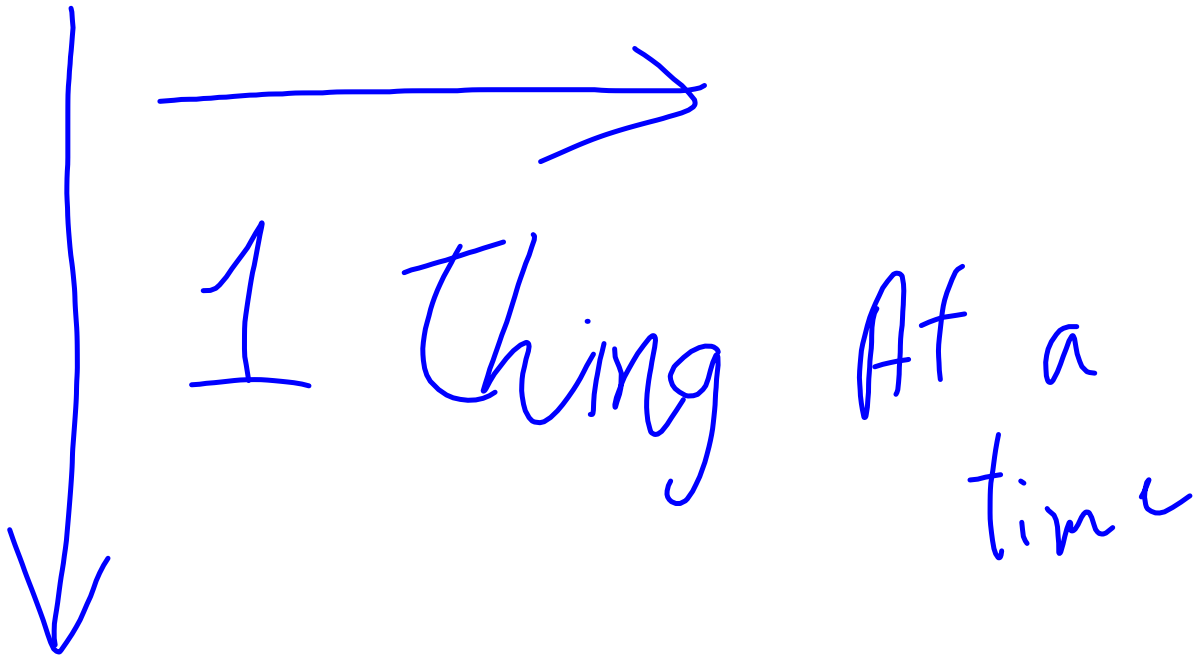

OOP
OOPS





int 4 bytes


1 Thing At a time

int/long -3, 4, 0, ~~0x~~

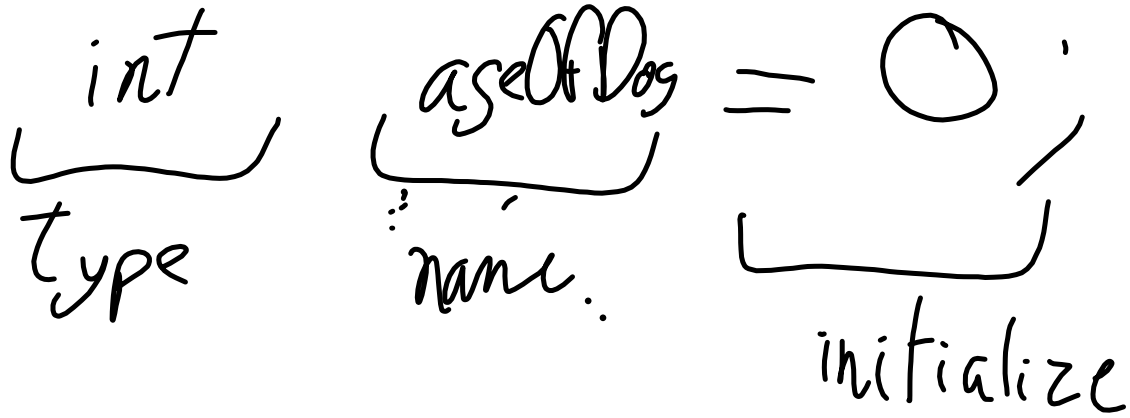
8 4

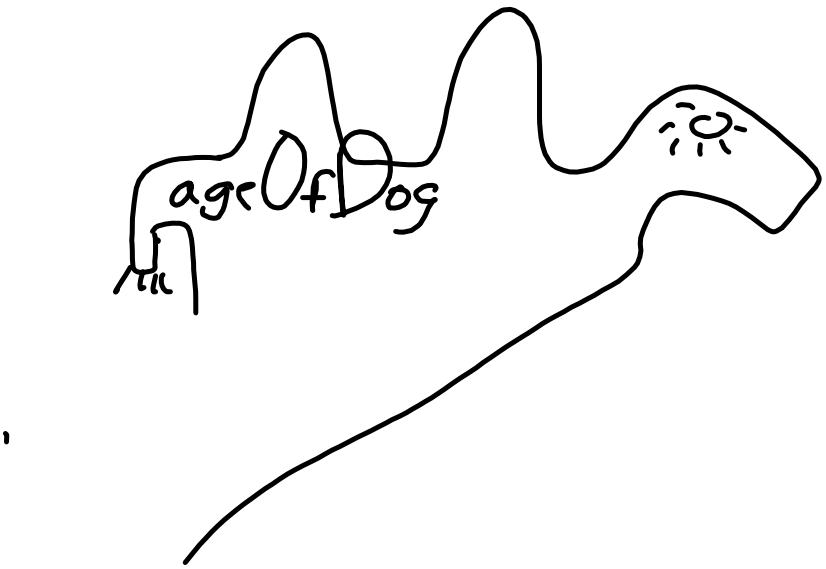
double/float -3.48 0.1234

char 'a' 'z' '1' '9' '#'

Strins "a" "" "Hell...." "1..9"
"A32@GMAIL.com"

bool true False
bit 1 0


int
ageOfDog = 0;
type
name
initialize


ageOfDog

```
int x = 5;
int y = 2;
int sum = x + y + y + y;
```

```
int x = 2;
double y = 2.4;
int sum = x + y + y + y + x;
```

11

9.2

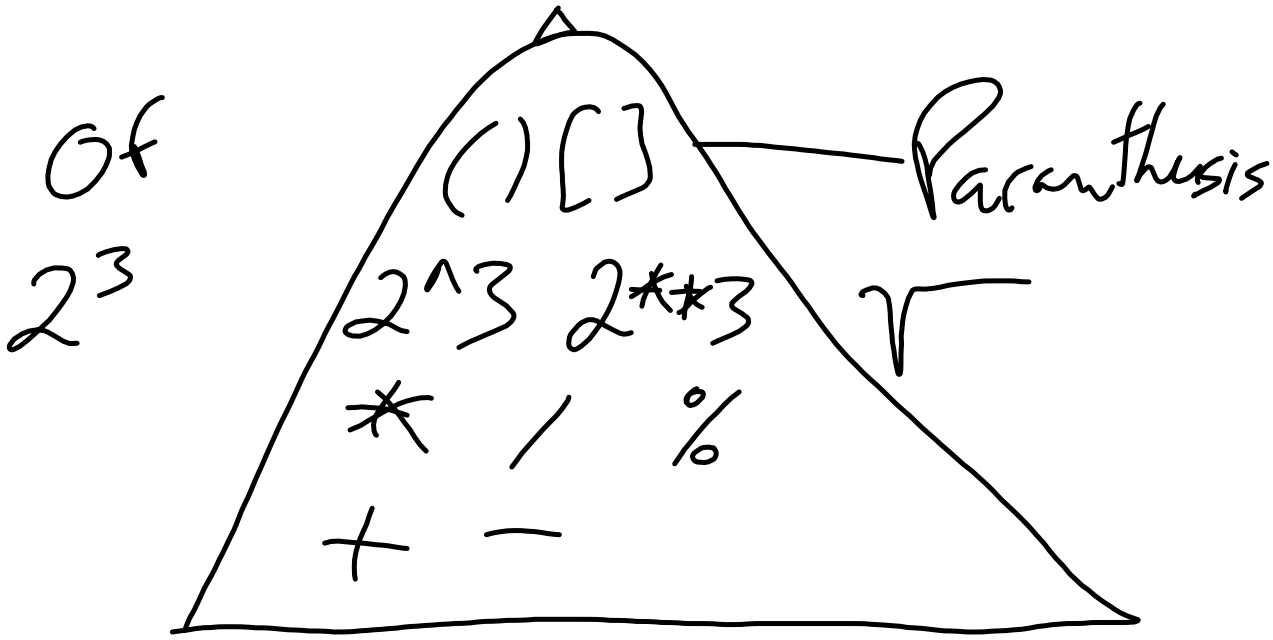
2 2.4

```
int x = 5;
int y = 2;
int sum = x + x / y + x;
```

12 6 9

5 2

7 2 12


Of
2^3
( ) [ ]
Paranthesis
2^3 2**3
√
* / %
+ −

```
int x = 5;
int y = x * 2;
x = x + x;
int sum = (x + y) - y + x * x;
```

x | y
5 | 10
10

110

10 100

20

```
int a = 3;
int b = 5;

int sum = sum + a + b;
```

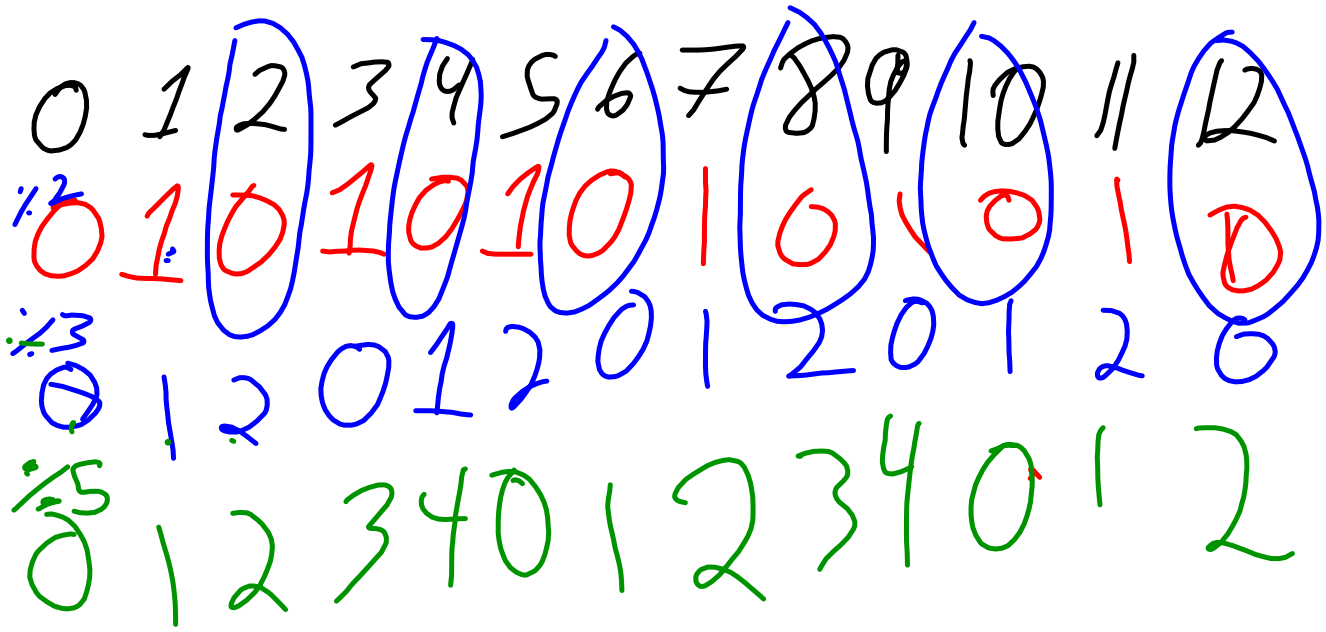
```
int x = 5;
int x = 3;
```

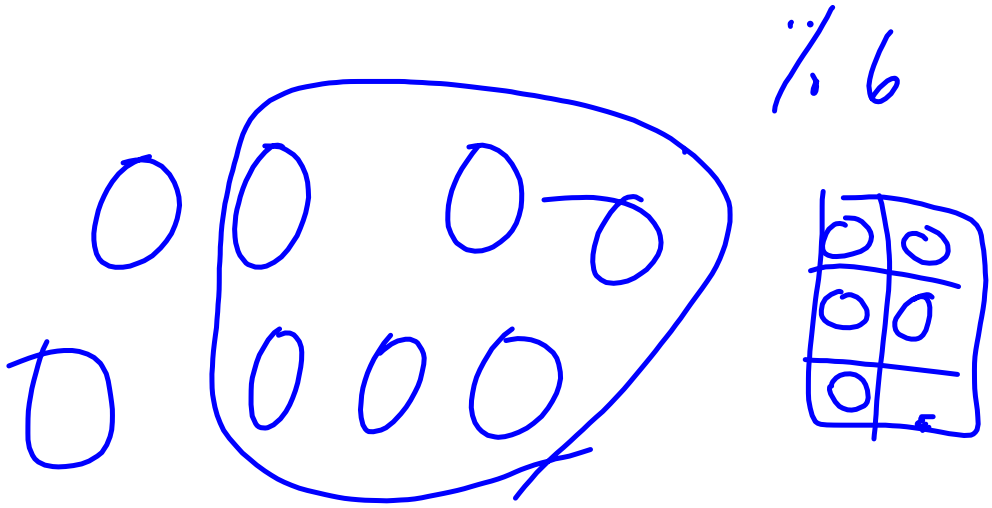
Modulous %

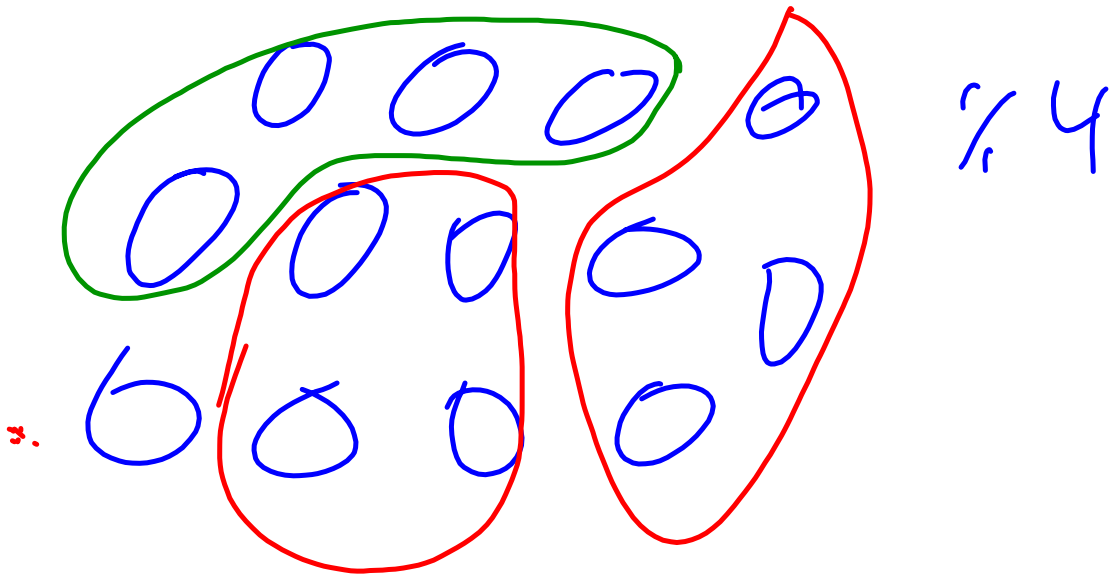
: Remainder

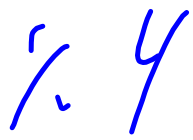
$10 / 3 = 3.3333$

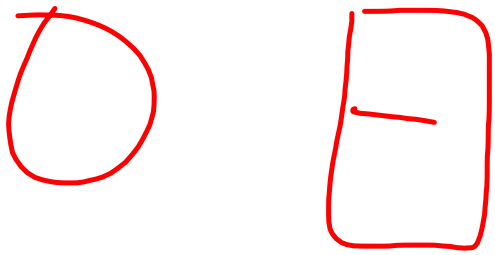
$10 \% 3 = 1$

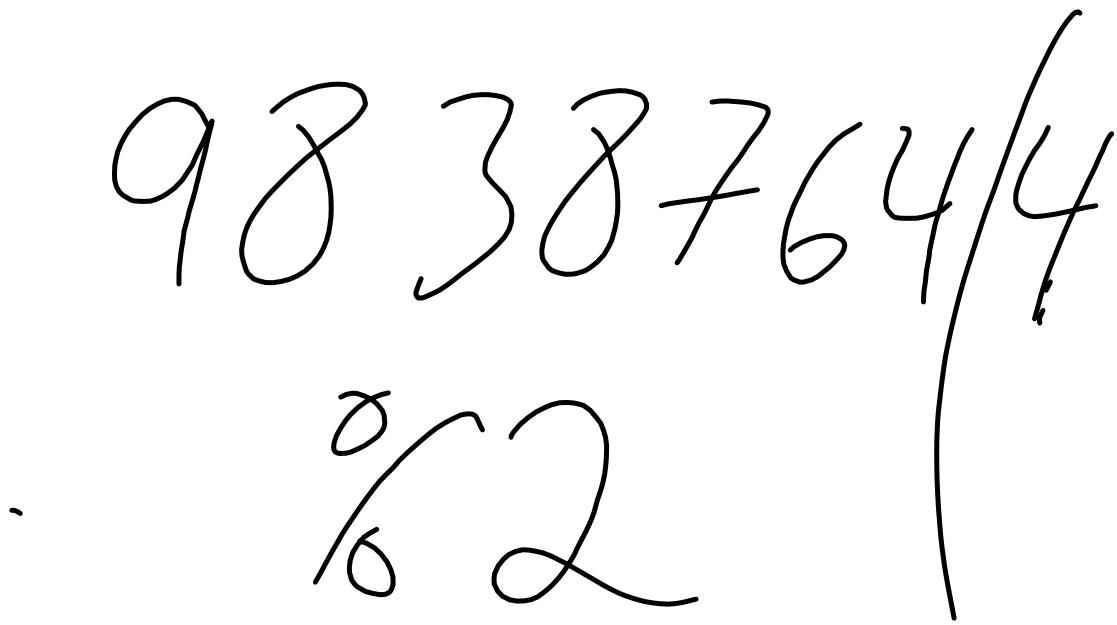

0 1 2 3 4 5 6 7 8 9 10 11 12
%2
0 1 0 1 0 1 0 1 0 1 0
%3
0 1 2 0 1 2 0 1 2 0
%5
0 1 2 3 4 0 1 2 3 4 0 1 2

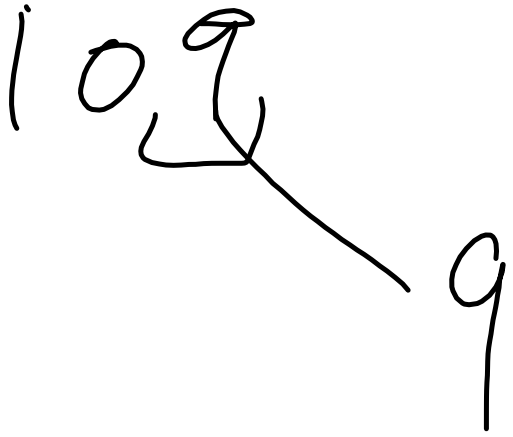

∴
% 6


% 4





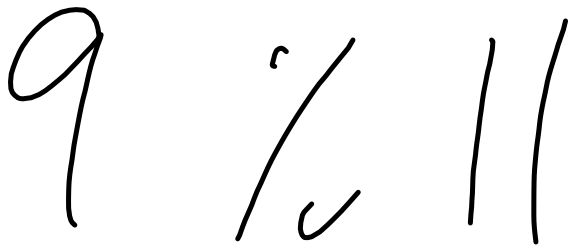


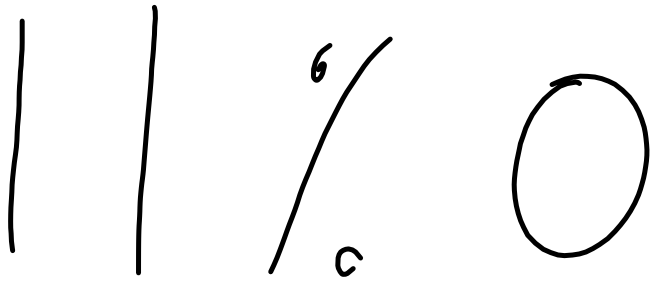

109
9

```
int x = 239;
x = x % 100;
```

0...99

0...9




110
6
C

346 % 346

Input Output

Scanf Print

Output

System.out.Print(" ");
err Println(" ");
Printf( );

```
Print("Hello ");
Print("Apple");
Println("Orange");
Print("Whaa");
```

Hello AppleOrange
Whaa

String concatenation

~~1 + 1 = 2~~

"1" + "1" = "11"

Print

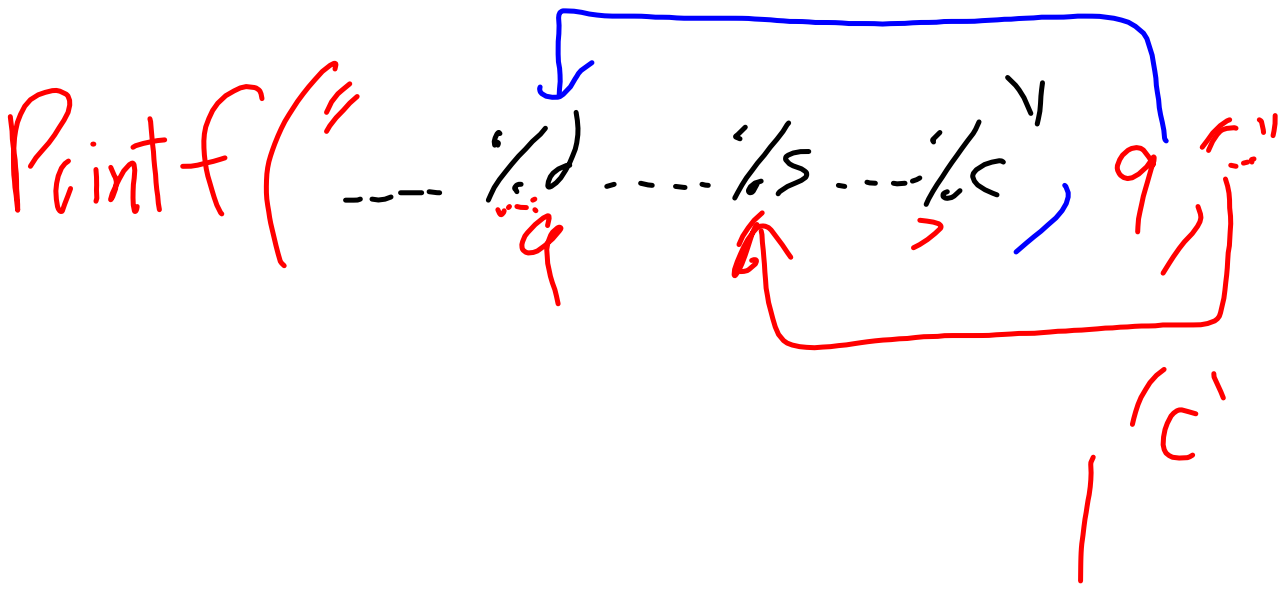
("Hello, my name is " + name

+ ". I am " + age);

Print format

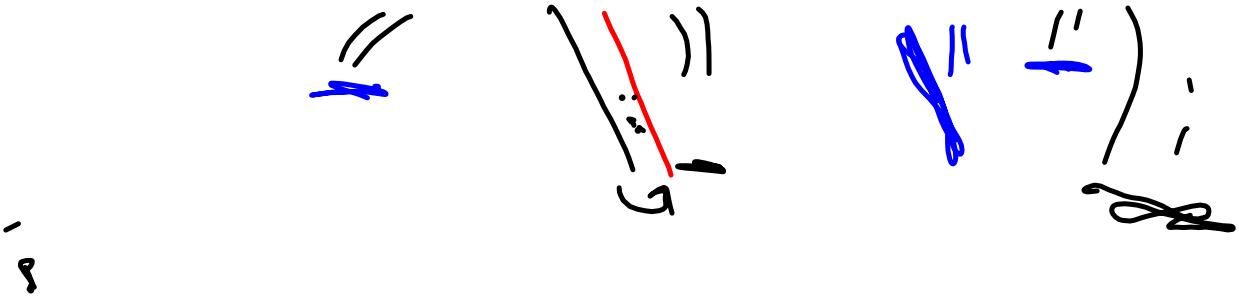
Print("I have " + dogs + " dogs.");

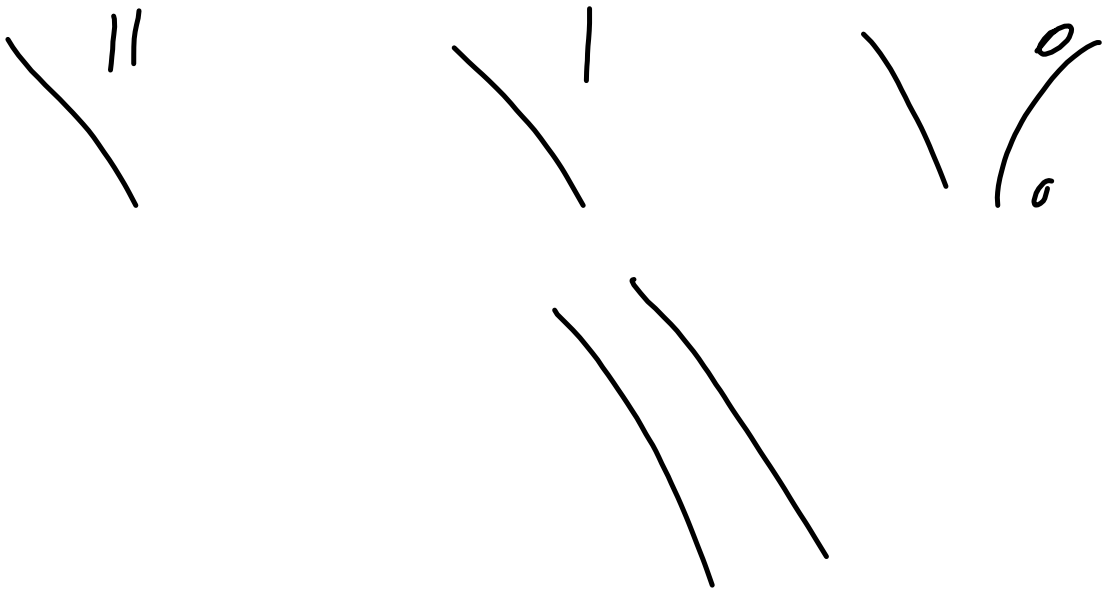
Printf("I have %d dogs", dogs);


Printf("--- %d ---- %s ---%c", q);
q
'c'

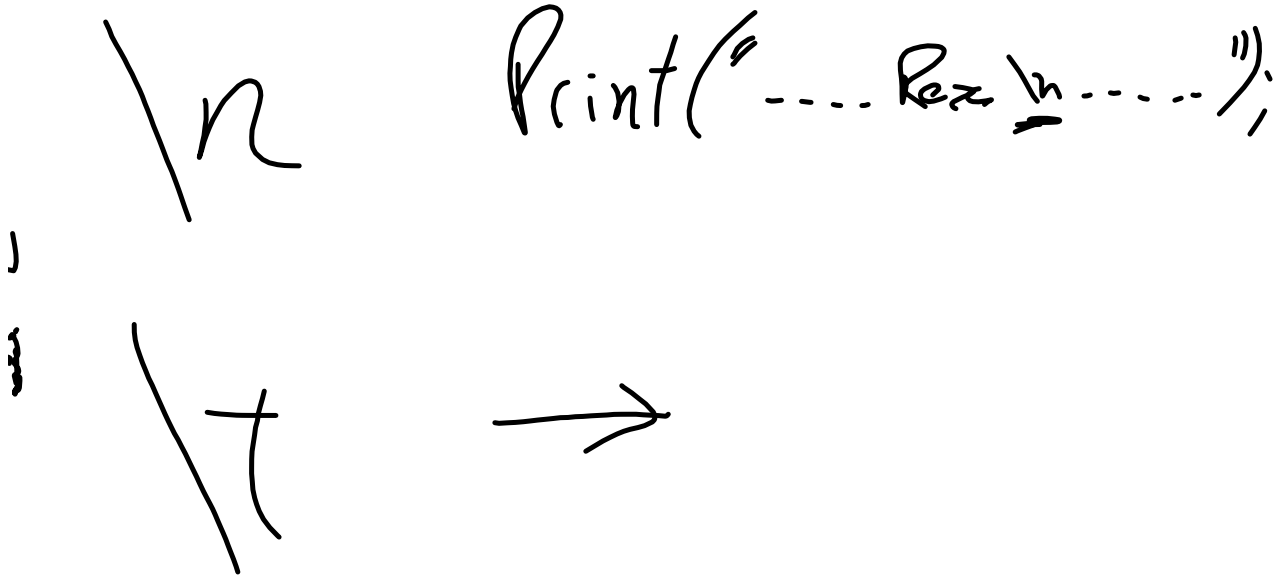
```
Print("Reza said \"Sir,... don't fail me\");
Printf("%c",
```

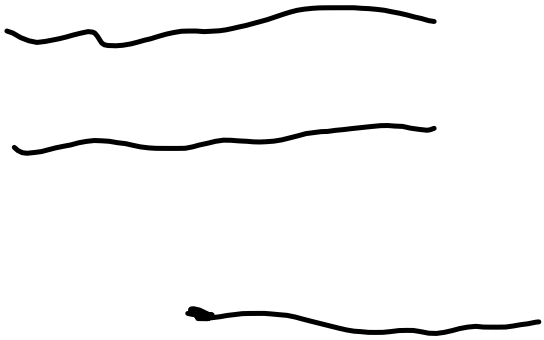
Escape Characters





```
char x = '1';
```


\n
Print("---- Rez \n ----");
\t



Sniping tool

Hello, my name is "Reza".

I have 9 bags.

I Travel to India 0 time this year.