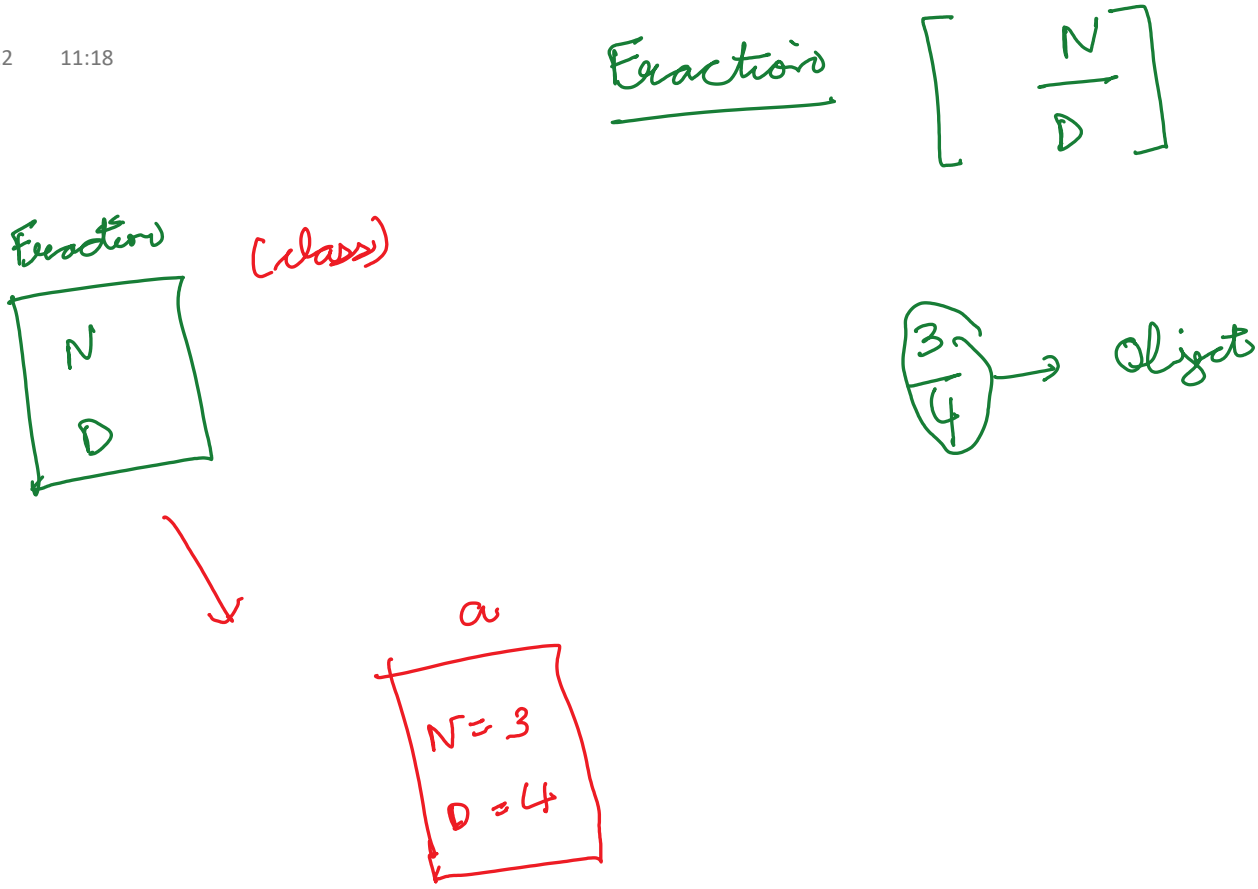
29 January 2022 11:18



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$\frac{x}{y} = \frac{5}{10}$

10 / gcd = 5 / 1

2 / gcd

HCF

gcd

2

← ↓ maxim HCF = min (x, y)

minm HCF = 1

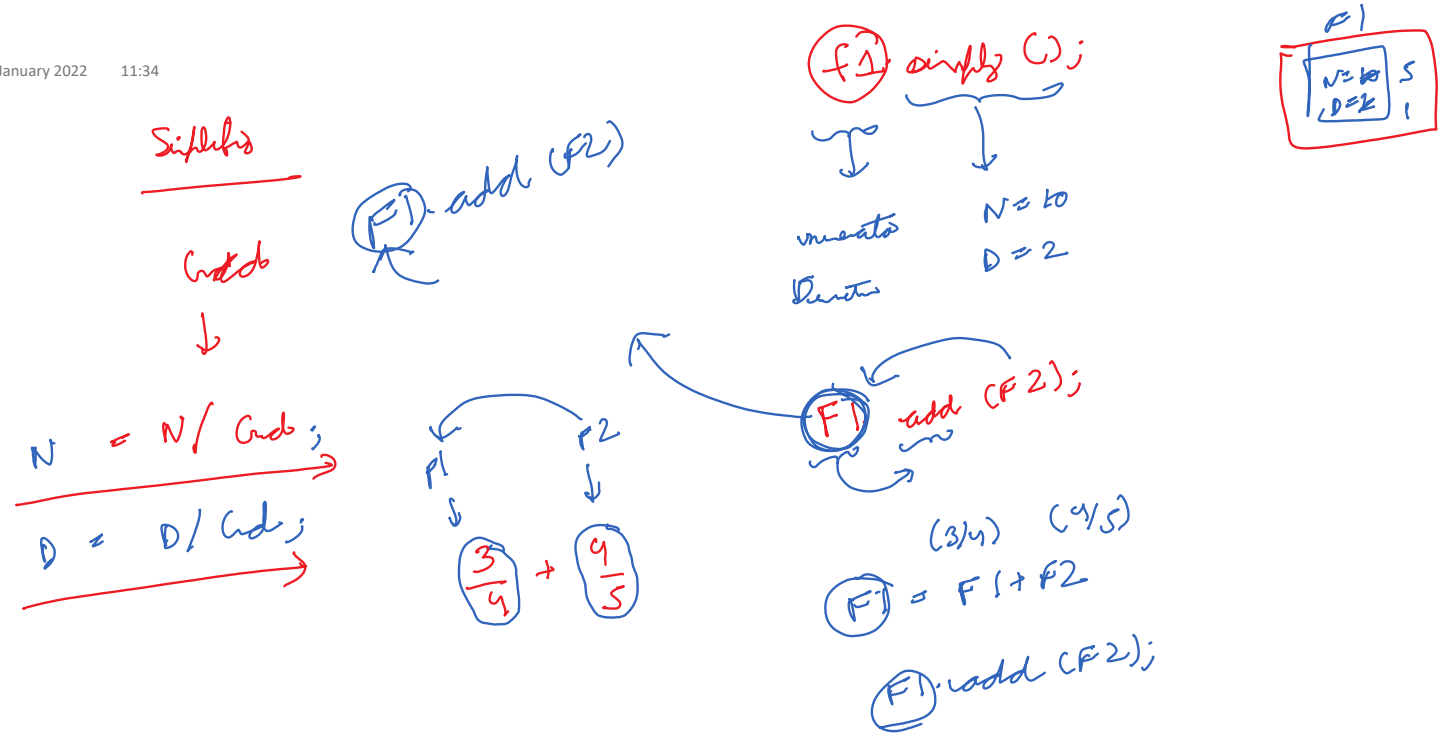
w >= minm HCF (1)

w = maxim HCF

NO/o w == 0 (gcd = w)

D o/o w == 0

w --- j


Simplify
Code
N = N / Code;
D = D / Code;
F1.add(F2)
F1
F2
3/4
+
4/5
f1.display();
N = 10
D = 2
F1.add(F2);
(3/4) (4/5)
F1 = F1 + F2
F1.add(F2);
F1
N=10
D=2
S
1

f1.add(f2);

void add(Fraction f2) {
this →
N
D
f2.numerator
N = 5;
D = 10;
}

4 + 5
3 4

num = (4 × 4) + (5 × 3)
den = 3 × 5

= func() {
cout << a << endl;
}

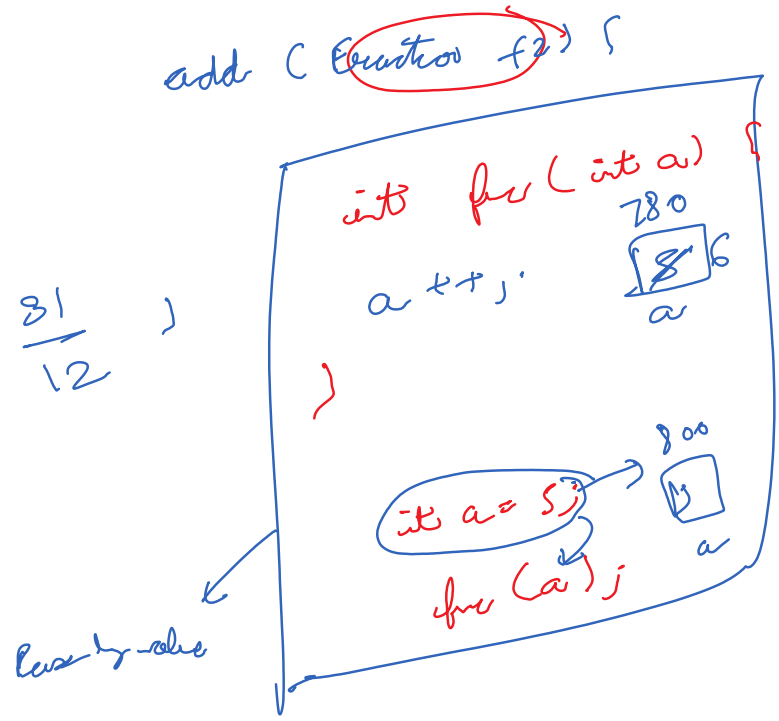
only func();

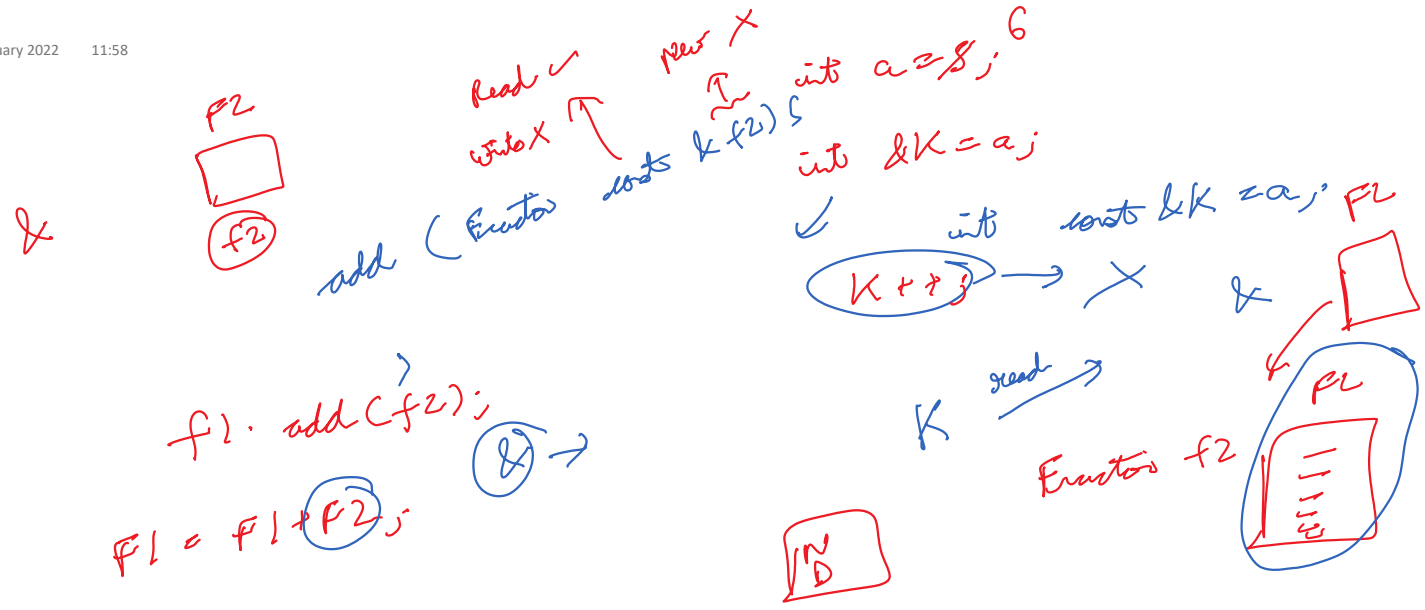
simplify()

f1 = f1 + f2;

$\frac{4}{3} + \frac{5}{4}$

$\Rightarrow \frac{16 + 15}{12} = \frac{31}{12}$




f2
f2
add (Functor
read
write x
const k(f2)
int a=5;
int &k=a;
int const &k=a;
k++;
f1.add(f2);
f1 = f1+f2;
k
read
Functor f2
f1
f2
N
D

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$\frac{3}{4} \times \frac{5}{10} - \frac{3 \times 5}{4 \times 10} =$ Simplify

$\frac{15}{40}$

$F1 = F1 \times F2$

Complex Number

a + ib j

↓ ↓

Real Imaginary

complex {

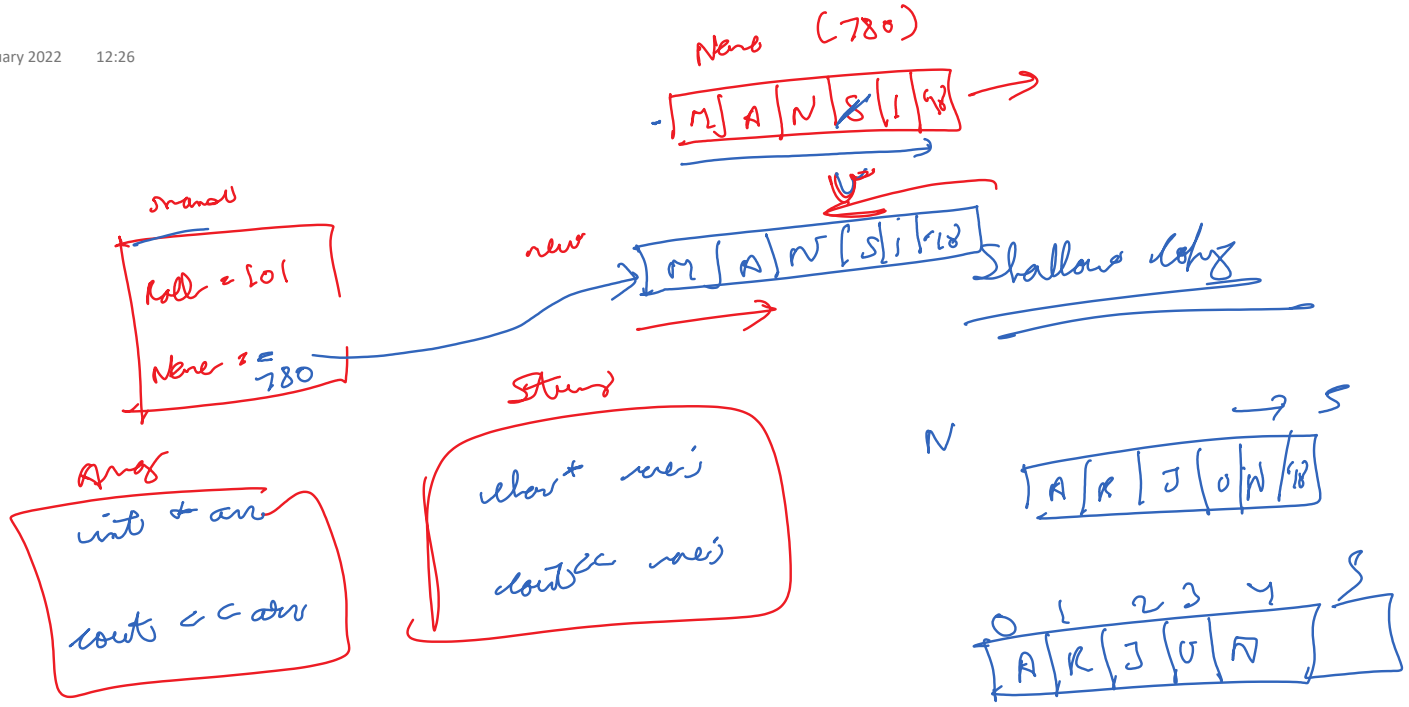
real;

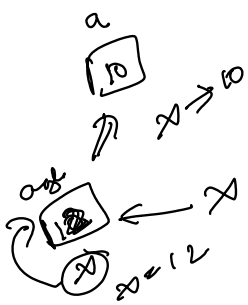
imag j

add ( ) {

}

multiply ( ) { }


Name (780)
M A N S I \0
main()
Roll = 101
Name = 780
new
M A N S I \0
Shallow Copy
String
char * ptr;
char ptr;
Array
int * arr;
int arr;
N
5
A R J O N \0
0 1 2 3 4
A R J U N



int &j = i j

int &j ;

j = i j

int i = 5 j

int const pi = 3.14 j

pi + + j

pi = 5 j

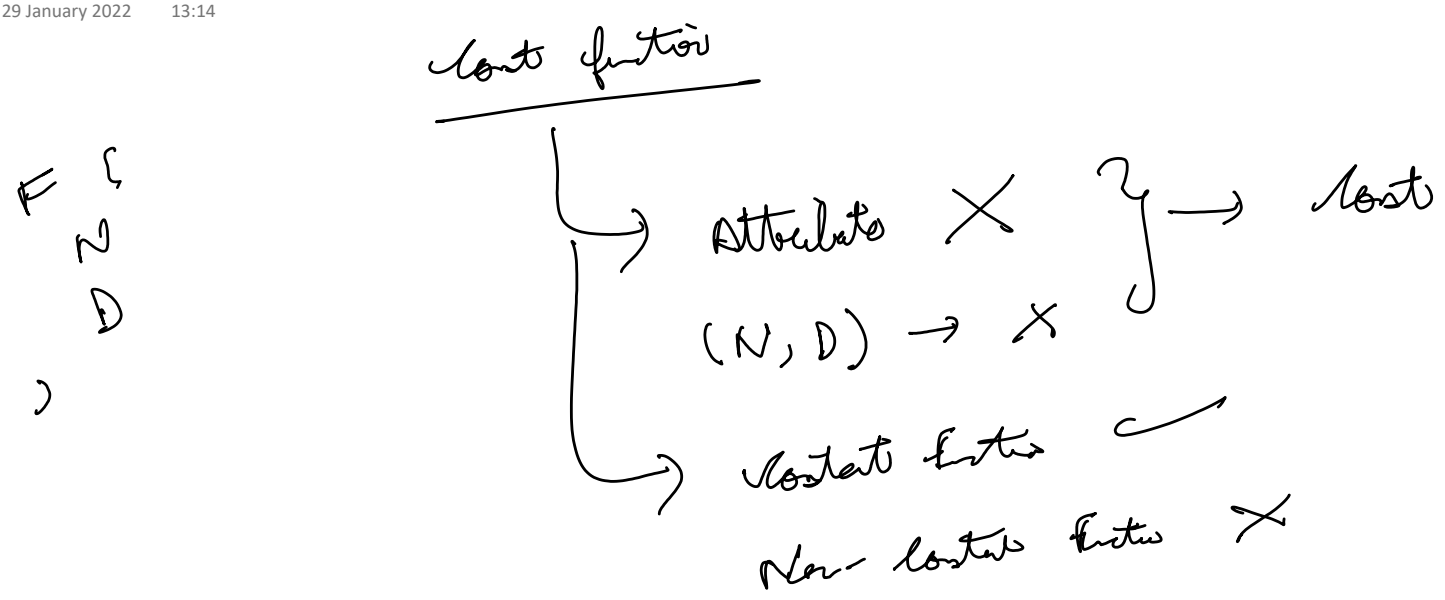
int const pi j

pi = 3 j

Initialisation List → cost

↳ Work before costructo

↳ Work simultaneously while object creation


const function
F (
N
D
)
Attributes
(N, D) → X
const
const function
Non-const function

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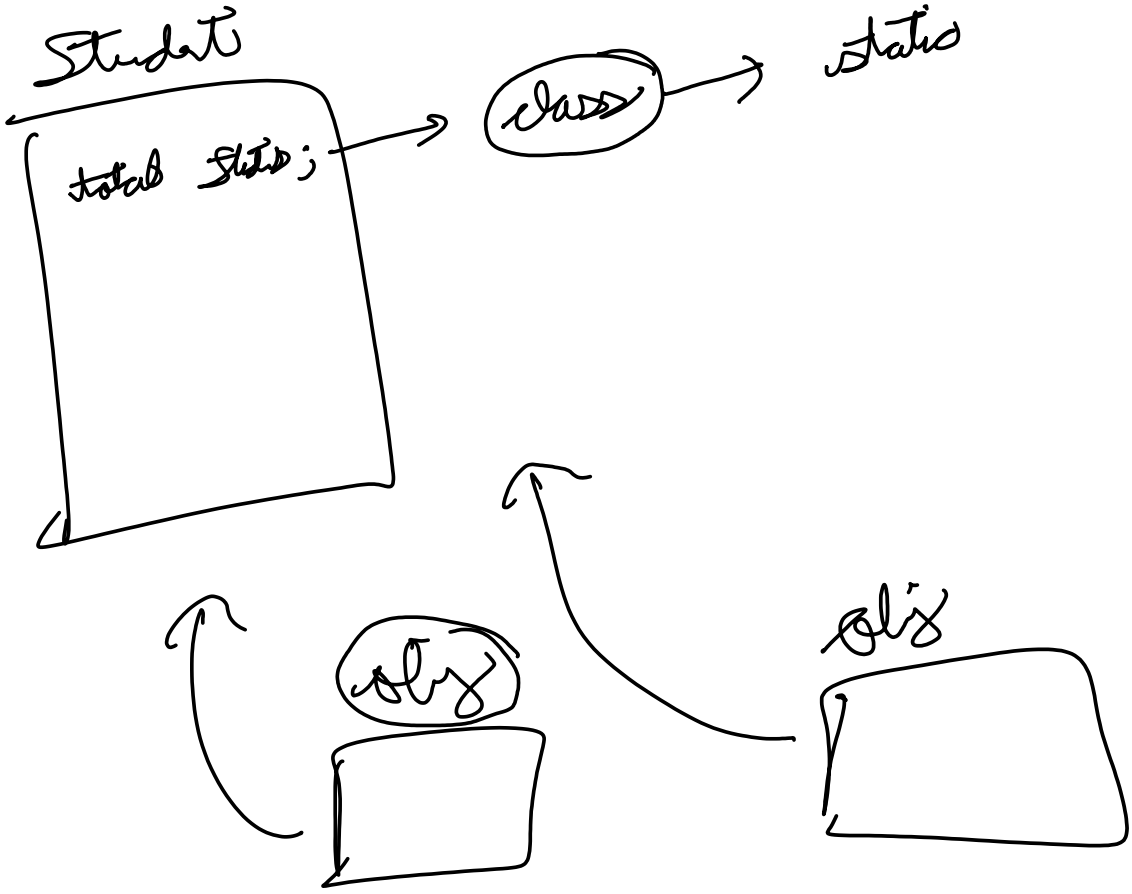

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