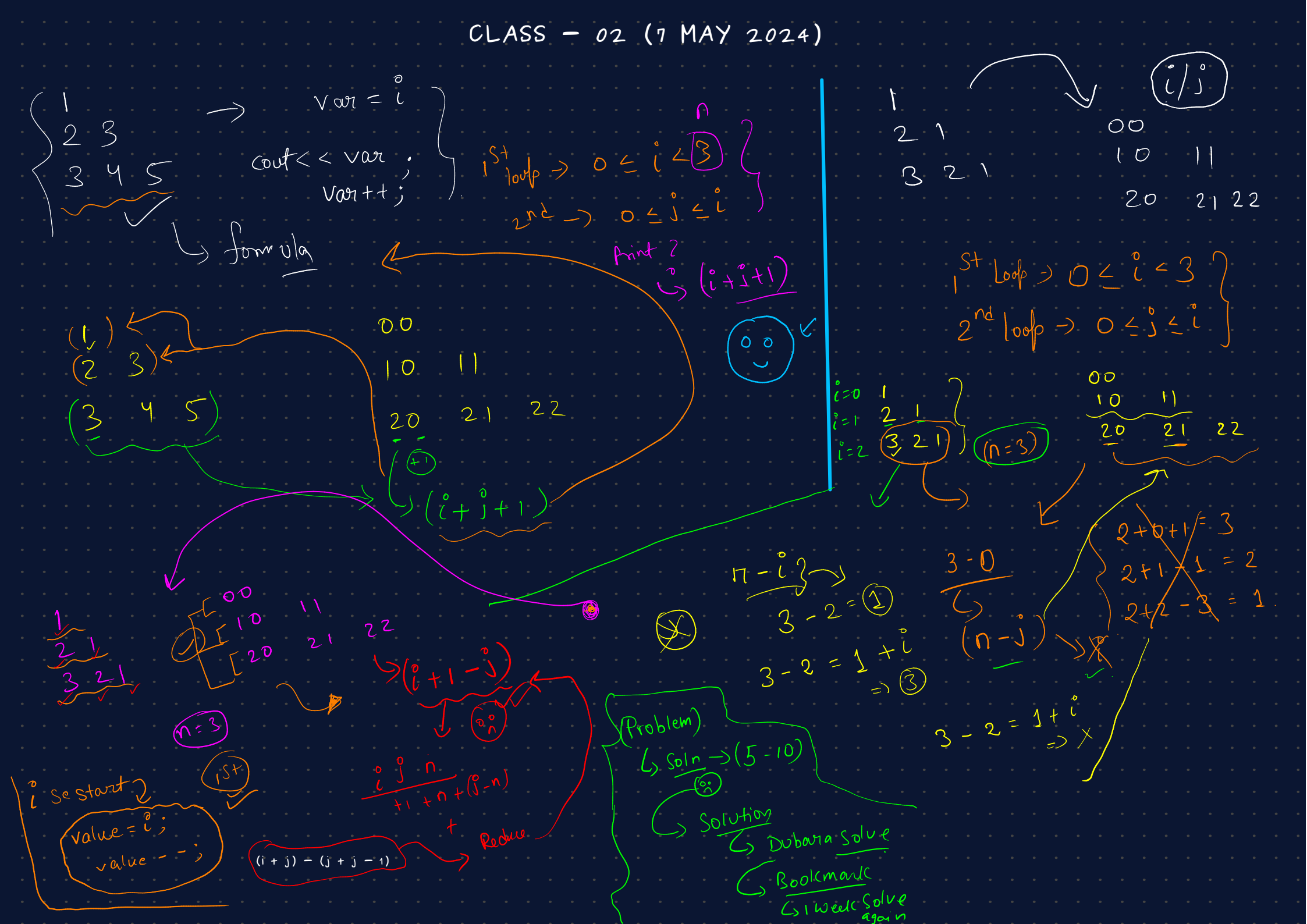
CLASS - 02 (7 MAY 2024)



A A A
B B B
C C C

(Typecasting)

(1st app)

(Typecast)

ASCII framework (val = 97)

97	97	97
98	98	98
99	99	99

+1

r1
r2

val++;

cout (char) val;

1st app

(2nd app)

(2nd Sol) (formula)

int float result

A + 1 → 'B'

(i+1)

(A+1)

(A+i)

A A A
B B B

A B C D
A B C D
A B C D
A B C D

A+j

A B C D
E F G H
I J K L
M N O P

char var = 'A'

cout << var
var++;

A <> 97

(96 + i + 1 + j)

96 + 5
=> 97 + 4
=> A B C D E

E

B C
0 1 2 3

i/j

loop;

① 0 ≤ i < 4
② 0 ≤ j < 4

Print (typecasting)

00 m

A B C D
B C D E
C D E F
D E F G

≈ ≈

1 2 3 4
2 3 4 5
3 4 5 6
4 5 6 7

relate

00 01 02 03
10 11 12 13
20 21 22 23
30 31 32 33

i+1+j

GOD

96 + i + 1 + j

A
B B
C C C

96 + 1 → 97 → A
1st
B ✓

formula
alag se
var leke (++) ✗

96 + i + 1 ⇒ 97 ✓
97 + i →
Champ

A
B C
D E F
✓
cool

(14)

A
B C
C D E

1
2 3
3 4 5

n=3

00
10 11
20 21 22

i + j + 1

96 + i + j + 1
→ (97 + i + j) ✓

A → 65
a → 97
ASCII

D
C D
B C D
A B C D

4 ✓
3 4 ✗
2 3 4
1 2 3 4

i j
00
10 11
20 21 22
30 31 32 33

n = 4

visually check
Jabardasti

n − j

30 sec
3 formula
✗
n − j
n − i
n − i + 1

4
3 4
2 3 4
1 2 3 4

i j
0 0
1 0 1 1
2 0 2 1 2 2
3 0 3 1 3 2 3 3

n = 4

visually check

Jabardasti

formula framework

(n - i + j)
(n - i + j) (n - i + j + 2)
(n - i + j) (n - i + j + 2) (n - i + j + 4)
(n - i + j) (n - i + j + 2) (n - i + j + 4) (n - i + j + 6)

(Same Same)

(x) (x+2) (x+4) (n+6)

sol :-

-1 + x = 3

x = 4

(n - i + j) → (+1) → 4

5

x
x x+2
x x+2 x+4
x x+2 x+4 x+6

i/j

00
10 11
20 21 22
30 31 32 33

Res → 4

3 - j

i	j	Res
2	2	4
3	2	4

→ j × j

n ⇒ 3

i	j	Required
1	1	2
2	1	2
3	1	2

(i + j) × j

+2

3

$i \mid j$

$j \times j$

$(x = n - i + j)$

Rough

x

$x \quad x + i + j \times j$

$x \quad x + i + j \times j \quad x + j \times j$

$x \quad x + i + j \times j \quad x + j \times j \quad x + j \times j$

Stop

$n - i + j$

$n - i + j$

$n - i + j$

$n - i + j$

$n - i + j + i + j \times j$

$n - i + j + i + j \times j$

$n - i + j + i + j \times j$

$n - i + j + j \times j$

$n - i + j + j \times j$

$n - i + j + j \times j$

$n - i + j$ (1)

$n + j + (j \times j)$ (2)

$n - i + j + (j \times j)$ (3)

$n - i + j + (j \times j)$ (4)

ch + (n - i + j - 1)

D
C D
B C D
A B C D

var -> D
user -> initialise
formula

(n-i+j-1)

Lemon -> formula + Arithmetic
-
x
/
%

Class -> 2

Jill pattern -> is done!

Sochna + Arithmetic
Breakdown

Bye