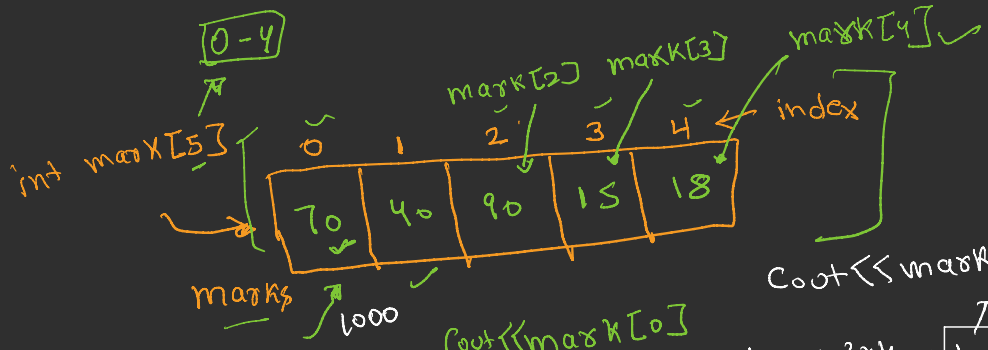
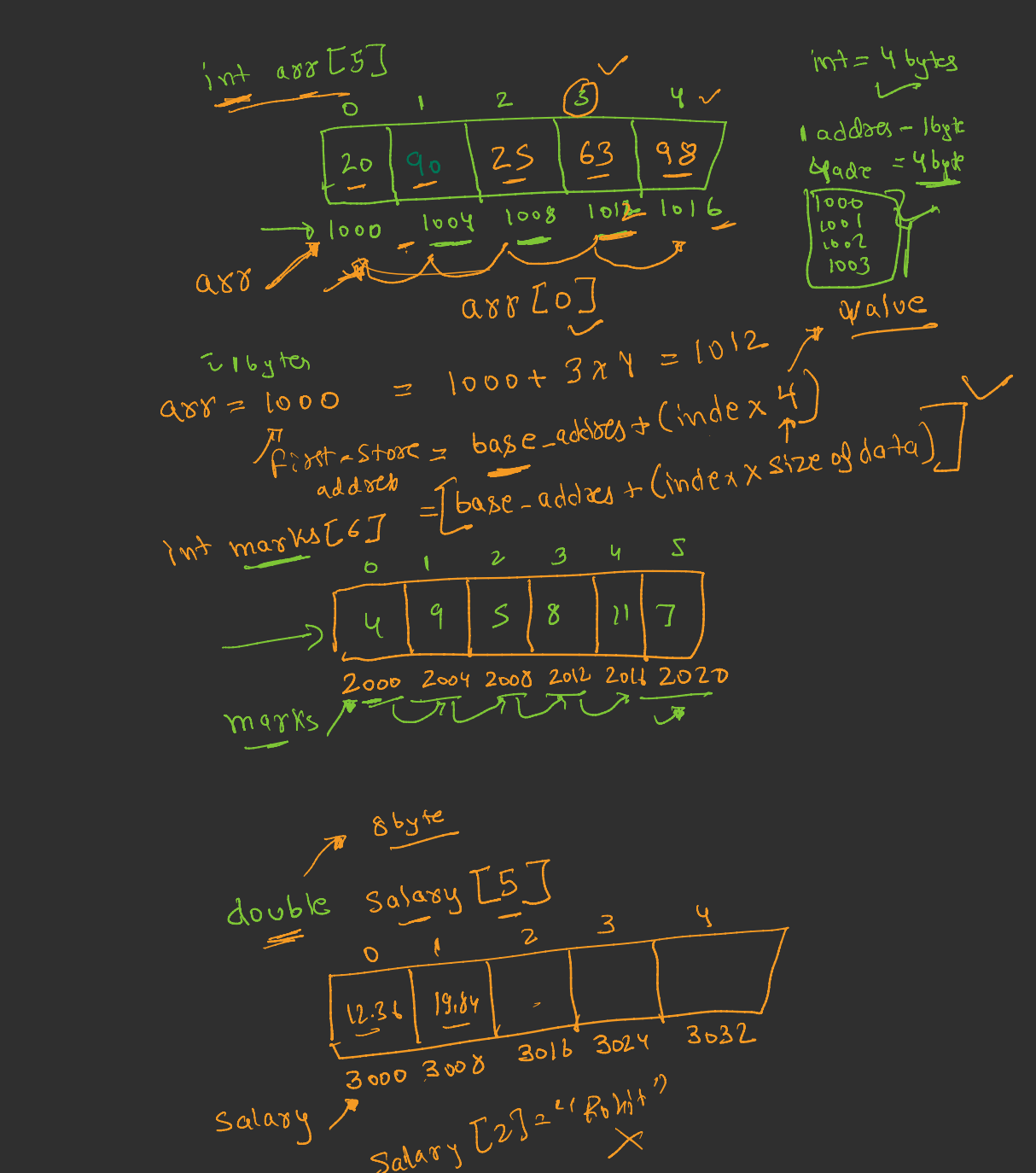
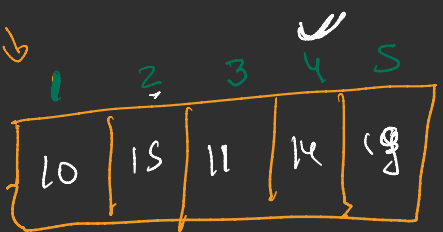

0-4
int marks[5]
0
1
2
3
4
mark[2]
mark[3]
mark[4]
index
70
40
90
15
18
marks
1000
Cout<<marks[3]
1000+3x4 = 1012
Cout<<marks[0]
70
int a=10, b=20
10
20
a
b
Cout<<a;
Cout<<marks[1]
40
arr_name[index_number]


int arr[5]
0 1 2 3 4
20 90 25 63 98
1000 1004 1008 1012 1016
arr
arr[0]
int = 4 bytes
1 address = 1 byte
1 addr = 4 byte
1000
1001
1002
1003
value
= 1000 + 3 x 4 = 1012
= [base_address + (index x 4)]
= [base_address + (index x size of data)]
int marks[6]
0 1 2 3 4 5
4 9 5 8 11 7
2000 2004 2008 2012 2016 2020
marks
8 byte
double Salary[5]
0 1 2 3 4
12.36 19.84 - - -
3000 3008 3016 3024 3032
Salary
Salary[2] = "Rohit"

[address of i element = base-address + (index x size of data)]

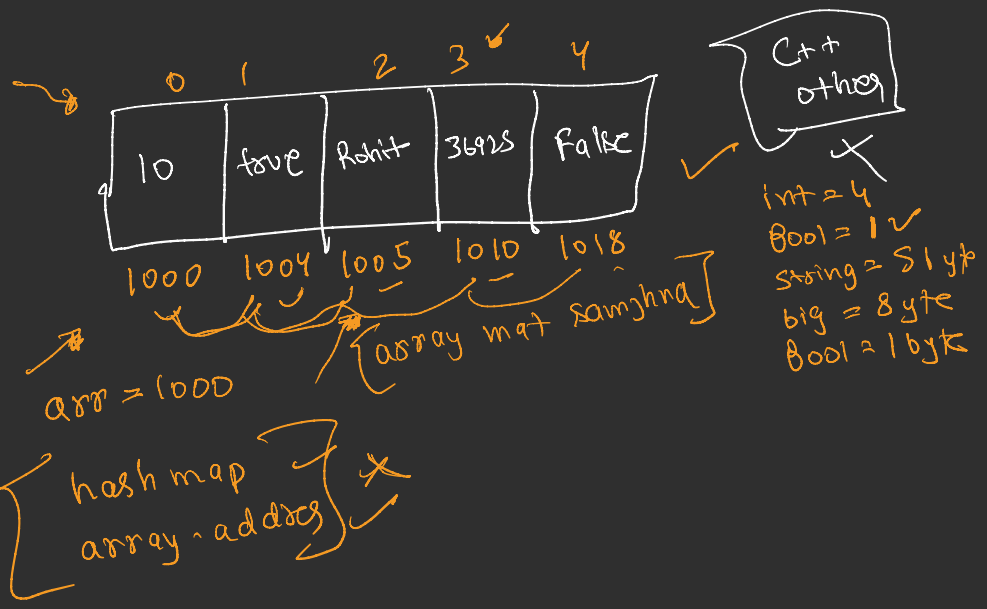
① 

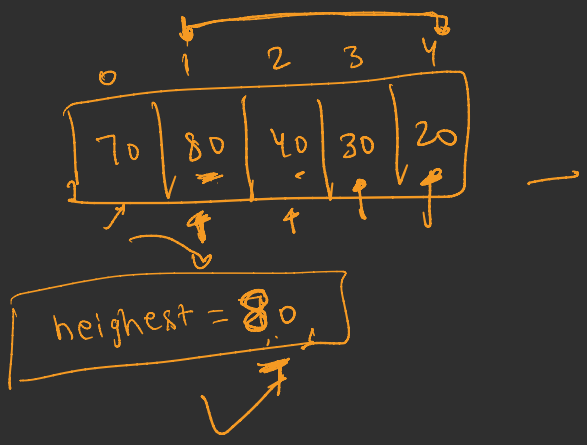
int arr[5]
[1 base indexing]

arr[3] = 1000 + 4 x (index - 1)
= 1012

[addr = base-address + (index - 1) * size of data]

Build : Powerful computer pass hai,
Kya humein


0 1 2 3 4
10
love
Rohit
36925
False
1000 1004 1005 1010 1018
arr = 1000
array mat samjhna
C++ others
int = 4
Bool = 1
string = 51 yte
big = 8 yte
Bool = 1 byte
hash map
array - address


0
1
2
3
4
70
80
40
30
20
heighest = 80