

9/9/23 Week → 5

# Function Call By Value & By Reference

Reference Variable →

int n = 50; → 

5
n

0 → Kuldeep (Sunny) } → one Person Multiple Names  
1 → Same (Sunny) }  
2 → Same (Sunny) }  
3 → Same (Sunny) }

Syntax in C++ to do so →

int &k = n; → original name  
n ka name k ki (alias)

Reference variable

⇓

cout << n -> 5  
cout << k -> 5

k [5] ← nise khilkh ⇒ k [5]  
nise khilkh n

ex → int &c = n;  
cout << c -> 5 (also)  
c++;

Then → k, n, c → 6 (become)

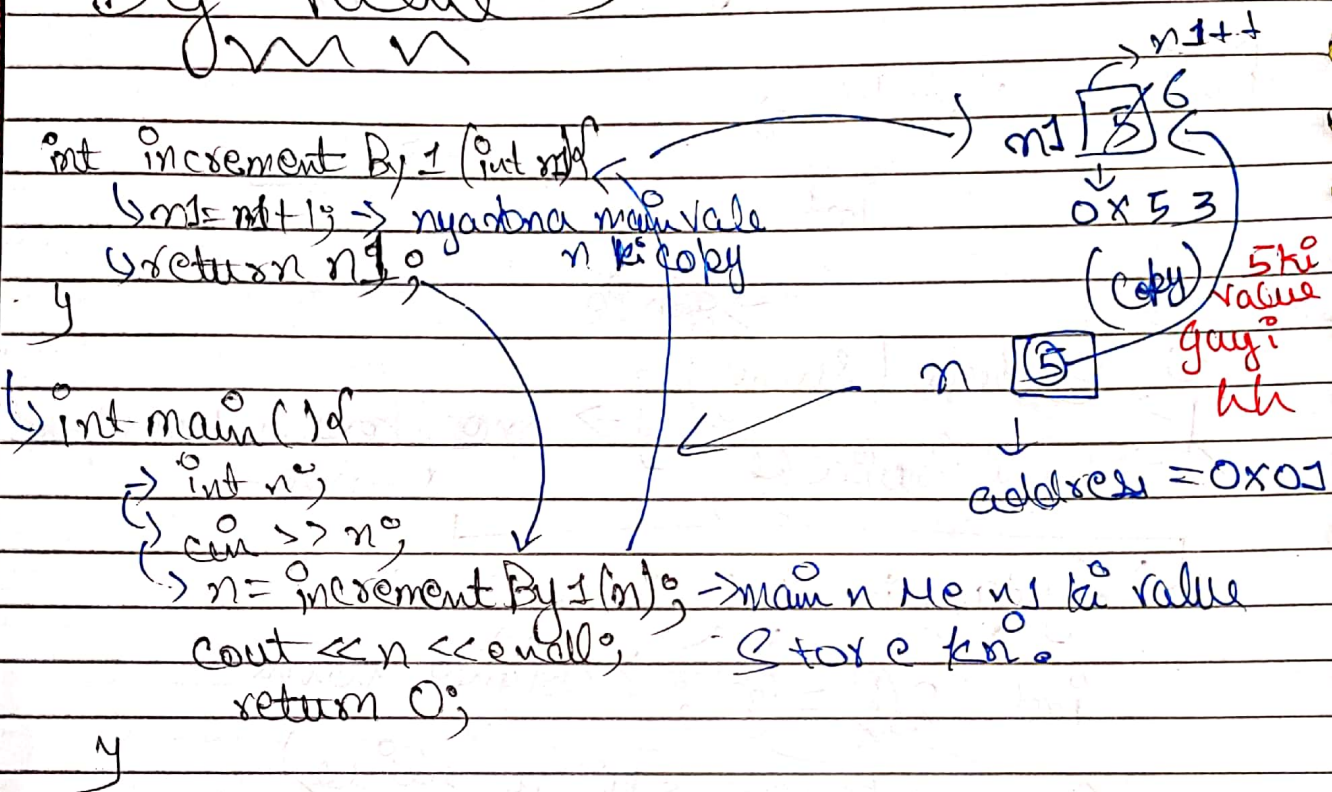


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ex: `int &t = 6;` → X

By Value →

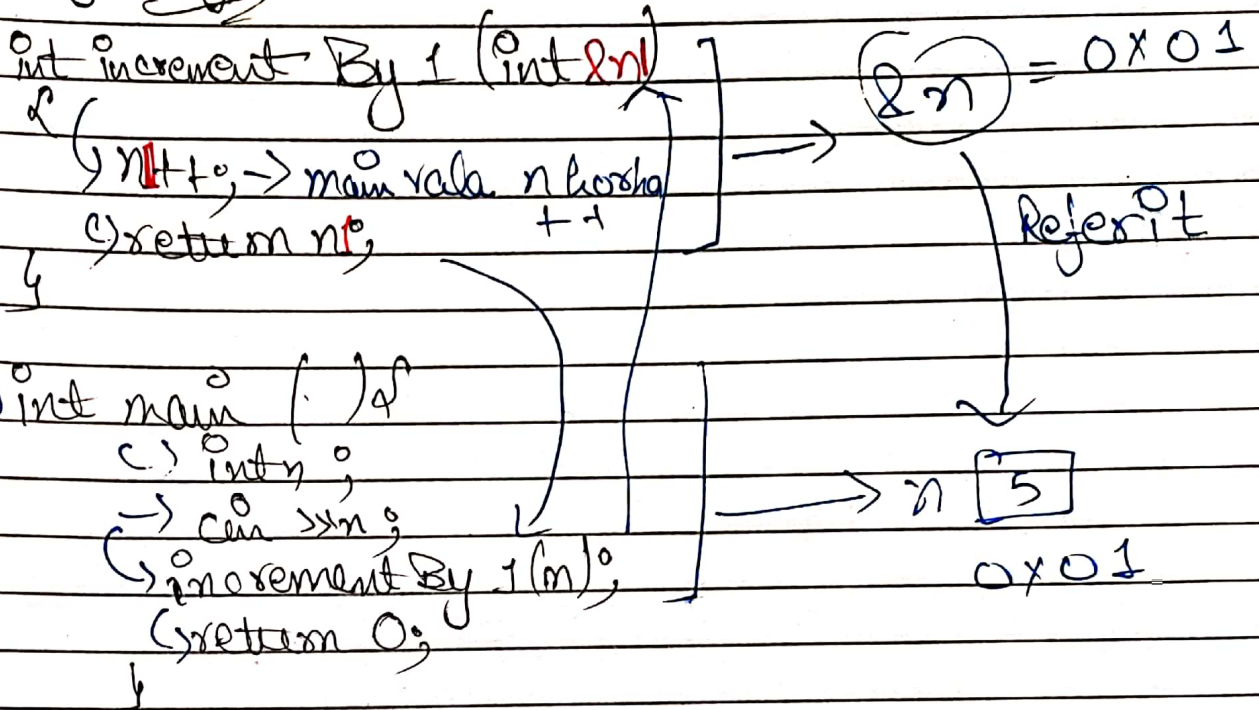


So, If you do anything with `n1`, then in memory nothing happen to `n0`

But when you do `n = increment By 1(n);`  
 Then `n` change

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## By Reference →



So, Here main n ka address gya h k int or function vala n me. That's why jo bhi function vala n me kuch bhi change kra Toh n me hoga change.