



Inline Function

Comprehensive Course On C++



CS & IT Engineering

C++
Inline Functions





Topics

to be covered

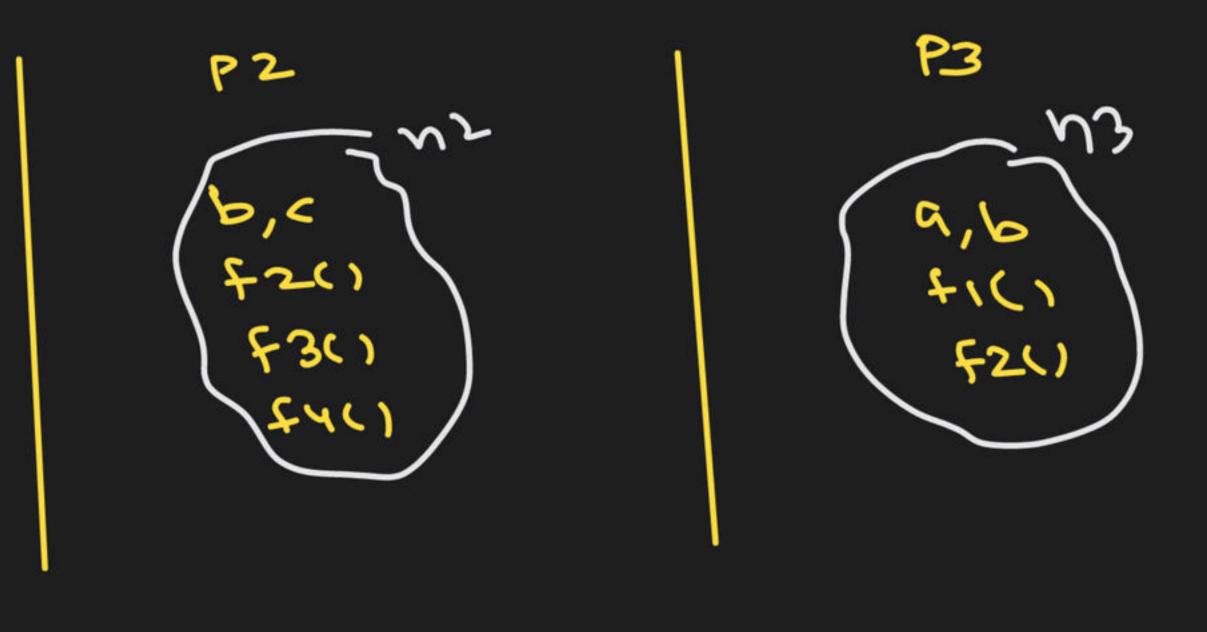


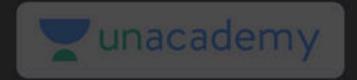
1 Inline functions



namesbace







tunctions

1 Reusability of code

(2) Easy to read, modify.

Memosy!

Saves memory

dis. BC12

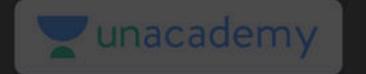
lime overhead



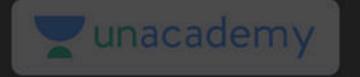
Membry save but exe time inc. } sul x

Statement } less amount of memory

Statement 100 Statement 100



Cade -e less amount of memory



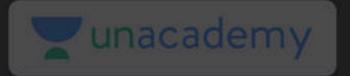
Inline function



```
main() {
                            void f(){
      =
f()4
                                 Cout << "wellome
      ニームニームニーン
```

include < jost ream) using names bace std! int square (int); void main(){ int n, ans; Cout 12" Enter a no!" (in>) h; Compiles ans = 'Squar (n); contco" The square is" << ans; int = squax(int 9) { kehom 9+9;

unacademy Compiler Calculage TZ ~ cursion Gultelines > Switch



ibline

Sudraminer

Compiler

Advantage?

Programmer - A source code func aux

Compiler - 4 064

Linc. adv.v.

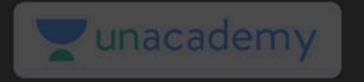
Ais X

1.) inline is a Reyword used for obtimization burbose.

2.) inline is a request to compiler.

Défault Arguments

```
Lecins
#'includer (ostream)
                               int Add (int a, int b)
                1 + Exactly
int Add(int, int);
using namespace std;
                                      Astra atp:
 void maints
          int x=10, y= 30;
           Cont << 1999 (x/2):
                                 ETROY
          COUL << DDA (10,20,36);
```



C++ Default arguments

Linction & 3 arg. dec.

Add(10,20) & Emox

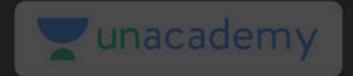
2 arg. must be there int add (int, int, int = 0); toption it mes 42 1/1 pronga Adefull valu is taken ~ 9da(16,261; → 3 rd ang → 0 Gad (10,20,30); add (10), - Ferror

int add (int, int = 0, int = 0); d chau H MYCast 1 C 2 2. add(10). aad (10,20)add (10,20,30) inf agg (inf = So, inf = 0, inf = 10); iht main(1) add(10) add(10,20)', add (16,20,30);

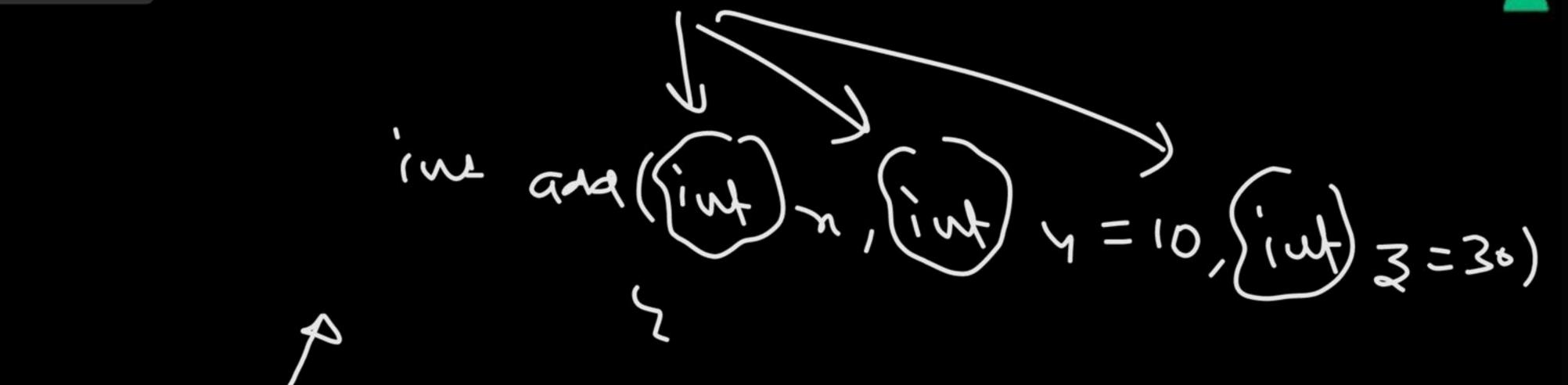
777 Default arguments => right aligned int add("int=o, int, int); int add (int, int=0, int); > add (16,26) int add (int, int, int = 0); int add(int, int = 0, int = 0);

Desault arguments can be provided either in dec. or in det-

int add (int, int, int =0);



11) object, class 3.1 cont, cin, std 3.) inline functions F.) Detault arguments



3





THANK YOU!

Here's to a cracking journey ahead!