

Object oriented poegeogram moing

· Const keyword

4 Used to declare the vasiable, function or connot be acaes igned. object is immutable

* compiler stores const vacciable in the RDM paset of memosy :- Optimisation

i) const int x = 10;

lvalue -> vacuiables having memory location Rvalue -> " doesn't have mem. be

int 20 = b Rvalue . Ivalue

2) coust with pointers

(a) Cont int + a = new i'nt (2)

Hom-comet pointer 1 a = 20 - This cannot be possible

ap b = 20; a= & b 0 > possible

int const + a = new int (2) > squae as before constent Pointes, Non-constant data (b) constent pointes, Mon constant pointes but content is mon-correlated (c) const pointer, const data. const int acoust a = new int (10); Ly Both aseo constant Coast with frenchion Method Const) class vaciable

by His members can not be modified.

by that method int getx() const

If kisi functon k andas a const obj le liva them usice andes se if we call any function then that function should be constant. Eshould.

#

mutable int X; (used for the changing
the value to when const is declared
int method.

-> INITIALIZATION LIST

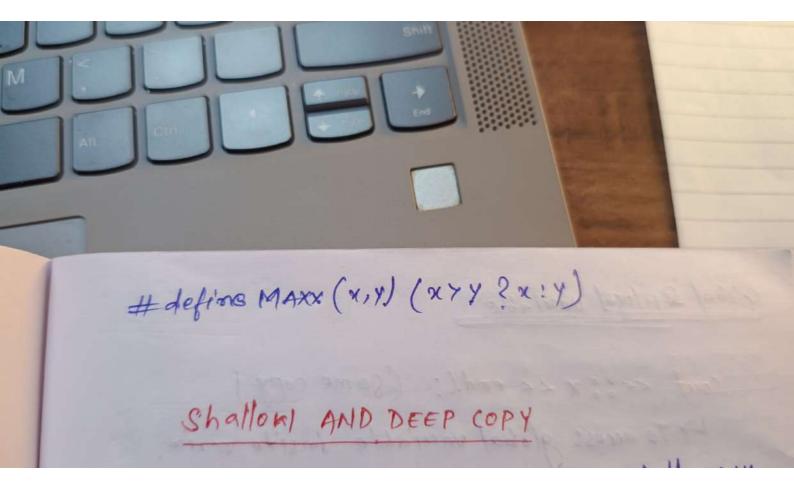
abe (int -x , int -y , int z =0): X(-x),

Y(new int(-x)), z(-z) { }

This is everprised when the one of the data variables are constant so we intialize constants using this.

define PI value. # define on the place where it

-) It in oceases preadability



Global & local vaselable

Cout < :: x < endl: (8ame copy)

Ly To access global vasciable inside main.

to cal variable is scoped inside a function

global Vacciable

1 weither outsid the fand"

1 Accessible by all fund of

local vacciable:

O Wacitl " inside the func"

@ Ace. to all + in eide tha for scope only

3 suped.

Static keymoned in class

Static data Member:

That vacciable is goting to & share memory with all of the class instances.

Static Membes function:

there is no instance of that class being passed into that method.

- static membes function can only etatic members
- es dass function like

 abc obj!:

 abc!:print(s)

ABSTRACTION

- Delevering only exential information to the outer world while marking the bg. details
- -> seperate Interface and or implement.

Abstruct class

That it contains at least one pure visetual function and these classes cannot be instantiated.

-7AGSt

INLINE FUNCTION

Syntax:

Inline void number show (inforum)

cart < num < endl;

into main U

main U

main U

member show (i);

Johnston calling overhead is bachta hai'

Time bachta hai

Dis

Used in small size function

Inline function

Instead of calling function the statements of

functions one pasted i'm calling function.

preprosses -> Before compiling Inline -> compiler think whether the size of function is large or not

foriend key woold in C++ of sympax for friend class fortend class dass name; fore function for and word funet _declaret on forward rooted proint (const 4 &): Can constauctor be made puivate (ctos) cfor + constanctor dos - desterritos - yes it can be made perevate. -> Singlefon dals.