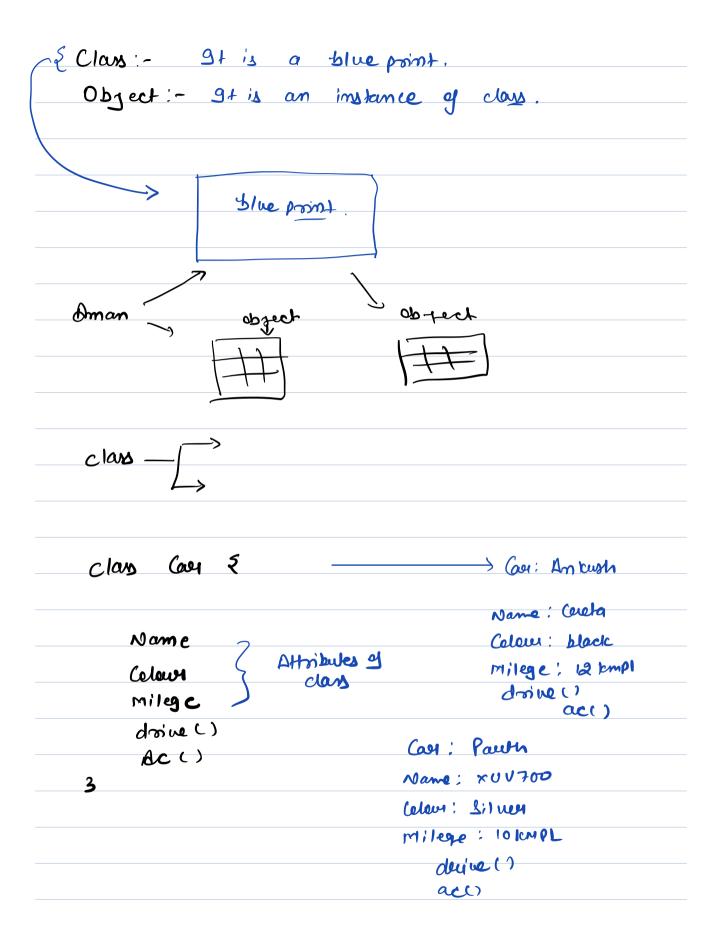
Today's Content:
a) Class & Object Concept > oops * Design
5 Object & Object reference member
c) Object reference as memember
a) Linked list Basty
9 Problems m linkellist



Clas - Sturchionalities

class Student & Student S. = new

Iting nove; Ifudent()

int age

enans ()
proponing ()

81 -> nome = Mongedh

3

B1. name = Mongest?

S1. age = 19

Student 32: new Student ();

 S_2 \longrightarrow Se = 25

82. name = 1 Dyanesh wow? So, age = 25

Object and Object rejevence a used derived data type. clas Student & Student & = new Student (); Iting nove; obj reference obj g strotent int age of strolent COM bunic () closs exams () Clous can held address of proponing () 3 that particular class object. mt a; thou ch' Student 8; Stack Heap 10K nane age 84 = null 13:20K nove = " Emusi" 77220 8 = 10K Sex IIII So = 20f

Student &= new Student (),

Student &= new student (),

int [] awn = new aux[[sz],

Student &s,

\$z = 12',

\$z name = 'Tanu Ji'

Print (& B name)', 11 Tanu Ji'.

Student & 4',

Print (&4', name);

int n = 20',

averar -> null painter

Enception.

*) Multiple object reforming.

Student 21 = new Student ();

21. nove = 'Abhishak'

S. Age = 25

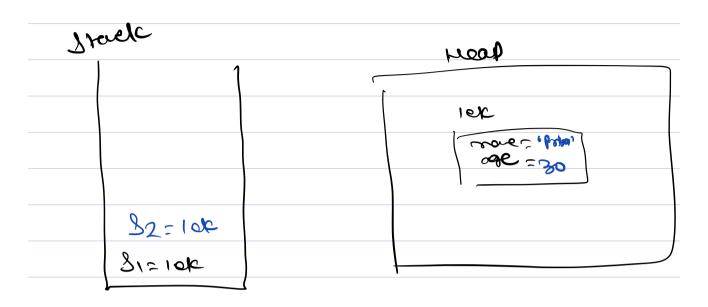
Student 12 = 21;

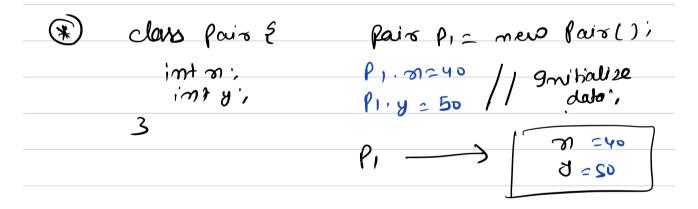
B2. age = 30

Print (S1.age));

S1. nove = ''Priya'';

Print (12. nove)



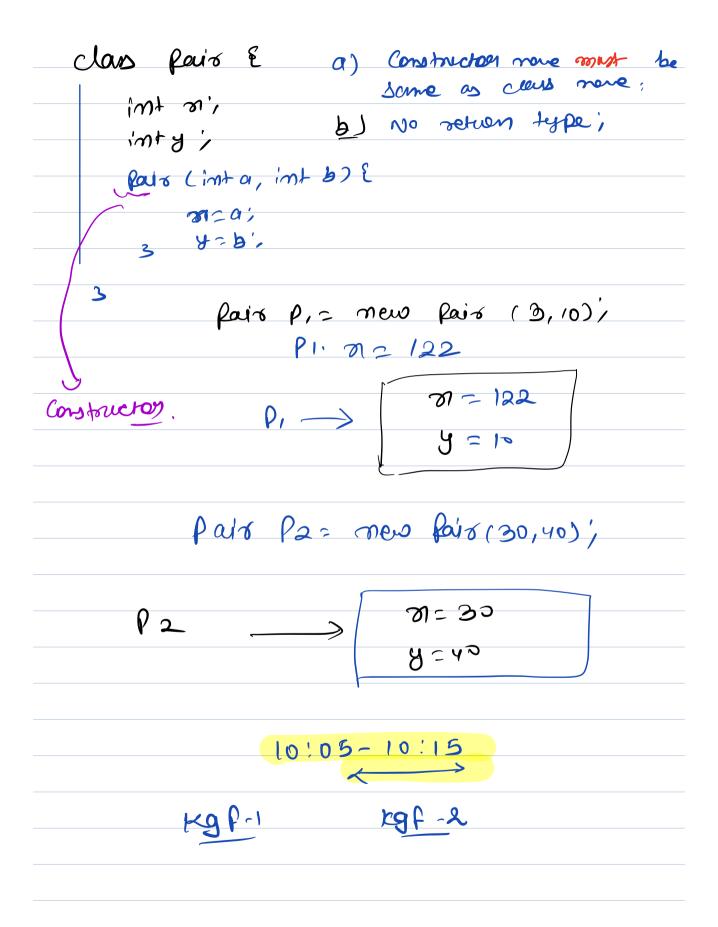


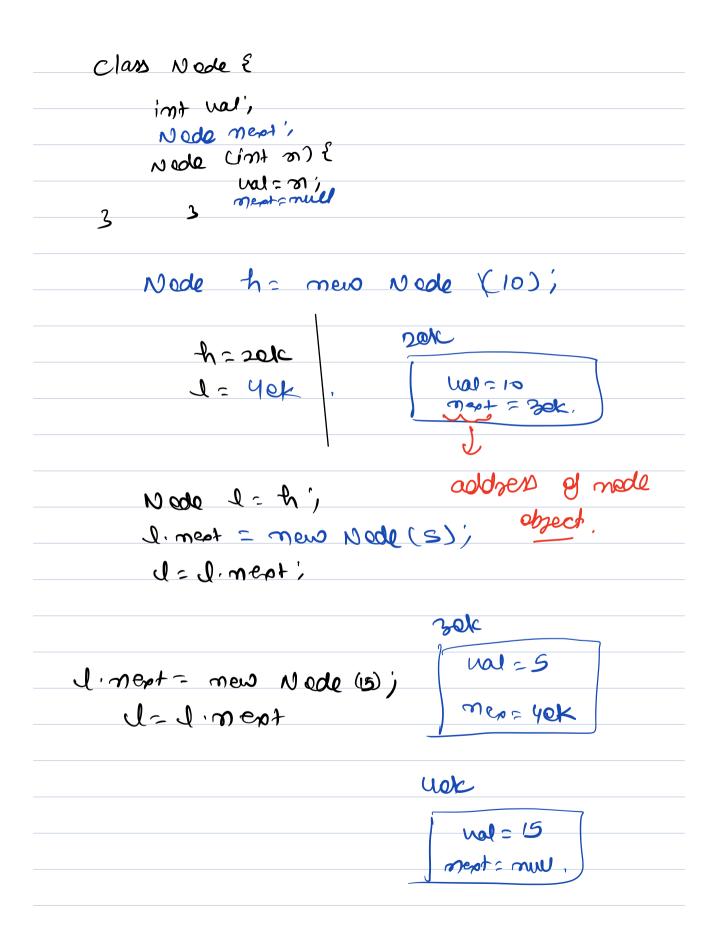
Constructor, -> Concept

L> 9t is used to initialize

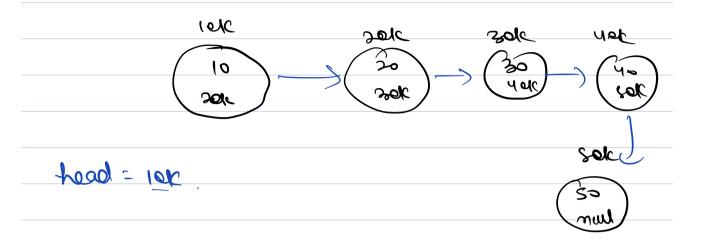
attributes of class at the time

g object creation itself.

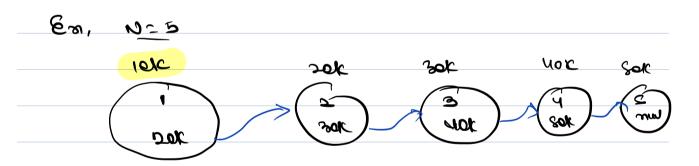




Limked hist.



Oues) Coreale a LL with n modes, with data 1-m, volum head node.



class Node & Node CaradeList (intm) &

int wal;
Node h= new Node (1);

Node (n) &

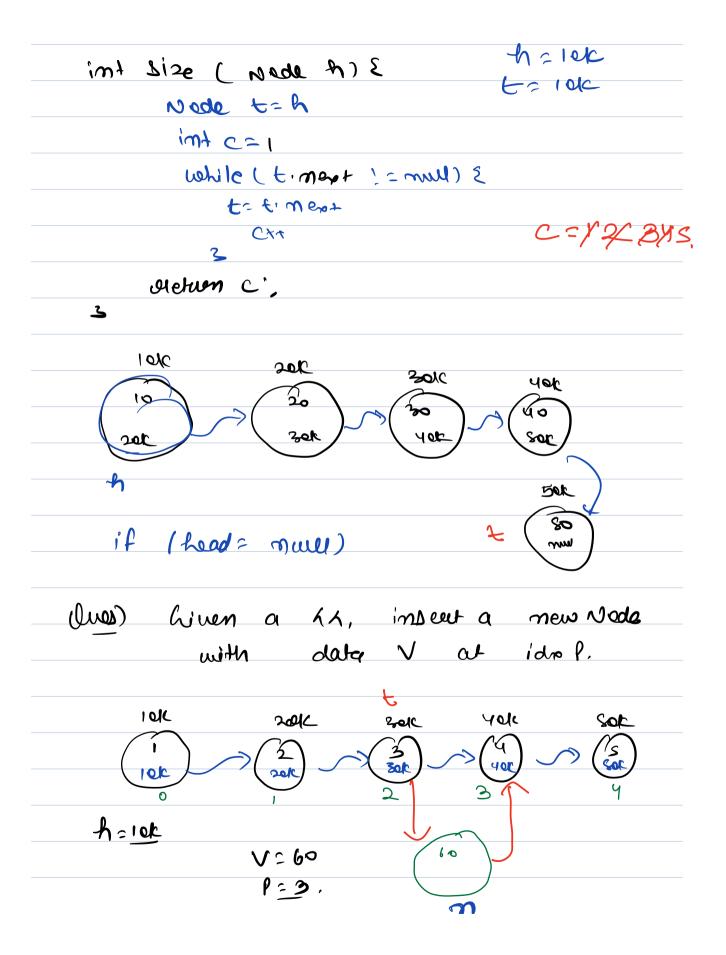
wal=n;

next=new Node (i);

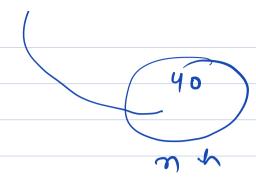
I'mext= new Node (i);

Je Jimext;

setion h Zerc 100 3et 20K h= lok 0 = 30k (Lous) Civen head node of LL, return size, 10/0 200 201C Yer 30 01 200 halok, 50k t= mu lun int lize (nade A) & Node t=h C= x 2 8 4 5. int c=o; while (t!= mull) & to timens CXA oletum c', (when this millist) 3



Insent (Nede h, int v, int p) Node Node m= new Node W); if (P==0) & minert: ti, hen h Node t= h; for Cint 121; ixp; it+ 1 & to to next 3 mimerate timent, timent = m', setuen hi, 3 Pes = 0, ele 40



Node CaealeList (intm) {

Node h= new Node (1);

Node l= h;

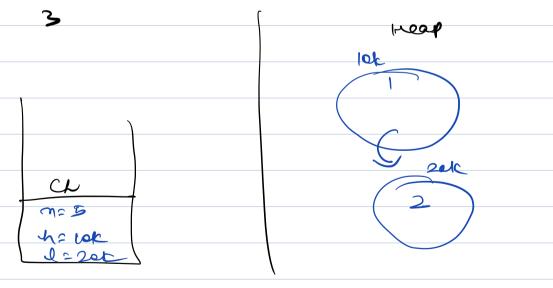
for (i=2; i<=n; i++) {

J. mest= new Node (i);

J. J. J. mest;

3

setion to



funct Cint on)
\
Jue Cm+1
3











int) ((he%C) * (A%C))%C; and this: (int) (he%C * A	A%C)%C;
Hoss H	
Bit	701. anignus & u. w
recursion	
Revino	n -> enry day.
$\overline{\mathcal{J}}$	-
	ho_d
. \	
Node c;	muth day.
int auts)'	
Maci	heap
<u></u>	_
)	
CE	