

To lov's Aggret
Today's agenda La Classes and objects La Constructor
Classes and objects
La Constructor
h Nested Class
Linkedlist Intro
6 Point linkedlist
TAN AIGORICO



11 mid Calculation	
_ lo hi	lo h:
אוי אוי	
int m: (lo+hi)/2	int m: lo + (hi-lo)
××	2
	4
	lh prevent overflow
- 2 ²	221-1
-	

	int m: lo + (hi-lo)
Lo hi	Lo hi
1 22,1	221-1
$m = 1 + 2^{31} - 1 \rightarrow 2^{21}$	
2	$m: 1 + (2^{3!}-1-1)$
	2



11 Clases and objects int, Char, Stoing, double b) int n: 20% -> To Combine different data types and data Sprictuses. Public Static class Pair Pair Ps: new Pair (); Pair P2: new Pair (); Systemout pointin (P2.y); 20 Pair 13: new Pair (); P2. y = 50% 13 System.out.pointln(P2.y); ->50 y = 0



* class! It is a bluefoint.

a object: real instance of blue Print

	Sha22y	Chardra Sai	Adolph
Class home &	home Shazzy:	home Sai =	home adors
int zoomcount	new homel	new home ();	= new hom
int blook Count	Shazzy. soomcond:4	-	
int area	Shazzy. Hoootowt: 2		
Stoing Color	Shazzy. Color: "old"		
bookean Pool	Loolean Poolstove;		
3			
	Bookout: 01		
	area = P		
	Color : Result		
	Sha22g	Sai	
	0		



11 Constauctor -> To make your life easy.

int no "nello" > while assigning, type should be some.



I nested class

	Node ni: new Node (10);
class Node	
int val;	int val = 20; Alade nent=1445
Node nent;	Alode nent= byes;
0	
Mode (ind vi) ?	nj
val : V1;	uorieo
13	Node n2 = new Node (20);
	int val: 20
	int val: 20 Node nent: null

12

n1. nent = n2;

Point (ni. next. val); ->20



Node n3: new Mode (30); Node n1: new Mode (10); int val = 10; ing val = 30 n3 Mode ment = by Node n2 = new Node (20); n1. next = n2; n2. nend = n39 Point (n2. val); -> 20 Point (n2. nent. nent); - nul 12 Point (n. nent. nent. val); -30 Point (ni. nent); > reference of no



a Linked list

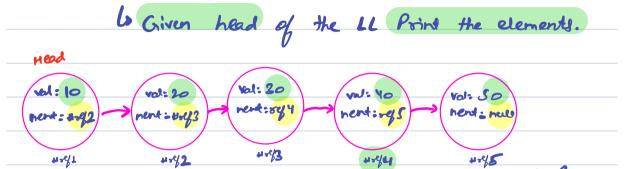




Point (Head-news) ment news) -> # sel 4



0) Point Linkedlist



19	
	Node tent: head;
10 20 30	while (temp!=null) {
10 50	
c: 0(n)	Point (temp. val).
c: o(1)	Point (temp. val); temp: temponents
	3