	Fage
	$\bigcirc \bigcirc $
	OOPS concept : TOOTEO
	as the state of th
	Dob an instance of a class
	Colin Refus to languages Hard and to
	in programmy
	Asmo to band the d. L.
	OP: -> Refus to languages that use objects - Asm: to bind the data and the functions that operate on flavored the functions
	that operate on them so that no other
	lunction acres this data except flight
	part of code can acres this data except that
	Few points -> ratala 1. H ataluminassi
	9.
	du jour every jour file con have only 1
9	public class. Also, the name of that public
	Class should be same as file name.
_	chan latili mare of beginning of pooling
}-	allow lastific makes I wanted one
	CLASS: SERVER STORES
(1	Ats like a bluefint of an Object It is a view defined data type Consults of data members of houstons
_ @ }	It is a great date in object all an object all and
.3)	(on inter a guical data type
	la record data members & functions which can
4)	11 the say creating was fance of Vit
')	xx represents set of speoperties & lass
	common to all objects of methods
0.1	25 Hours mont reduction to the type
Egi	Class Person &
V	String name;
	int age: peoperties
	void walk () }
	VOICE WALK () ()
	3 Holian 00
2006	Three country
	void eat () {
	1
Selected "	

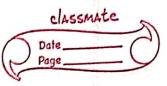


-	
	OBJECT: 19000 8900
ALLEGE CONTRACTOR STATES	Description of Agricultural Control and Co
	Its an instance of a class when a class is defined no memory is allocated but when it is instantiated,
2	When a class is defined no memory
/	is allocated but when it is unstantiated,
E VO	i e object is custed then memory is
2 3 1	i e object is custed then memory is allocated.
+3)	At has identify state, believed
4)	Each object contains data and code to
	manipulate the data.
	Construction overly jone ble can (-industruction
イ	Und to initialize an object's state
-	Each time we use new keyword atleast
	oue constructor (it could be défault constr
	-utca) is invoked to assign ulital values
	to Lata members of same class.
	Consists of collection of instructions that
	are executed at the time of object reation
-1.1.1	2011 Country Of Manufacti of Kingtons, Which of
, July 32.	· Public [Same name as day]
	20 11 100 10 10 10 10 10 10 10 10 10 10 1
:	We can call I constructor from another
	compractos.
	25 thong 201 : chung manus
	Eg :7 class @ Person?
	String mane; 9 () May box
	Static uit count;
	Static un courts
-	Scanned with CamScanner

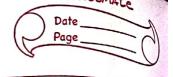
	classmate	A.
6	Date	-(1)
(Page	- 🔍
1		

	Page
	public Person () = 30/1/1901/1
	Quest + t: // (aut to be I object unded
	a start the start of the start from the start the start of the start o
	The state of the s
	lewen int and Children haved
	TWA ()
	this name = name jobs at her
	This hame in many of hours of
	San Wolfeld - Fram Class
	Silver have believed the
	Boulits:
Merria C.	Heme the code (volontera)
di Limitati	A Reduce its ordundancy
Red 1 1 1 1 1 1 1	Parameterized Noncom +
5	in agament
a)	A Constructor Heat
LEARLY.	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2,400	u à parameterizadite (alled défault constructor
- N	Constructor. : 3 mon = mon 2) If we don't define a
g r-	Constructor, then the
7	I he want to initialize compiler Monte. In
	greates of the case cuta constructor with no constructor
. 1	when a language
	concludor: mand breakedefault-constructor in
	CARTING THE MARKET OF THE MARKED ON COLUMN AS A WAY TO SEE THE COLUMN AS A SECOND OF THE CARTING AS A
4	constructor can only be called one time while wellode can be called many times.
	nethods can be called many times.
	0
- -	

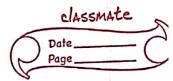
	•	INHERITANCE 6- 1 1 192109 : 11/19
e le		Count ++; // County holast stageth
2)		
1		Capabilities of a class to derive properties
	1	Called wheilance.
2		
7	M ().	Lo when we cleate a das , we done not
		und to unte all properties & functions
	+	again and again, instead there can be wishereted from other classes that possess
· 1		Sinherited from other classes that possess
		it
	-	
		Benfis:
		Revie the code (rate de ma)
	2	Reduce its redundancy.
0	- 1	
Egi	3	Class Person ?
940	1.5	Inna maname:
题	T 70"	Intage:
d)	મર્ન્	I Had has not amodera in the Lateral less
		public Person (String name, int age) &
5 5		this name = name;
2 x	13	this age = age
ho	1	places diques on the state of the
area.	e la	a) After when who we have the company with the
<u>- U</u>	4/	the country was the the characters
	3 1	redundand househoused
5	ij, ≃	Class Developer extend Person?
		public Developer (int age, String name) 5
		super (age, name);
-SA		as and some destiller of place was reductioned to
		1 south provide allowed was abanked



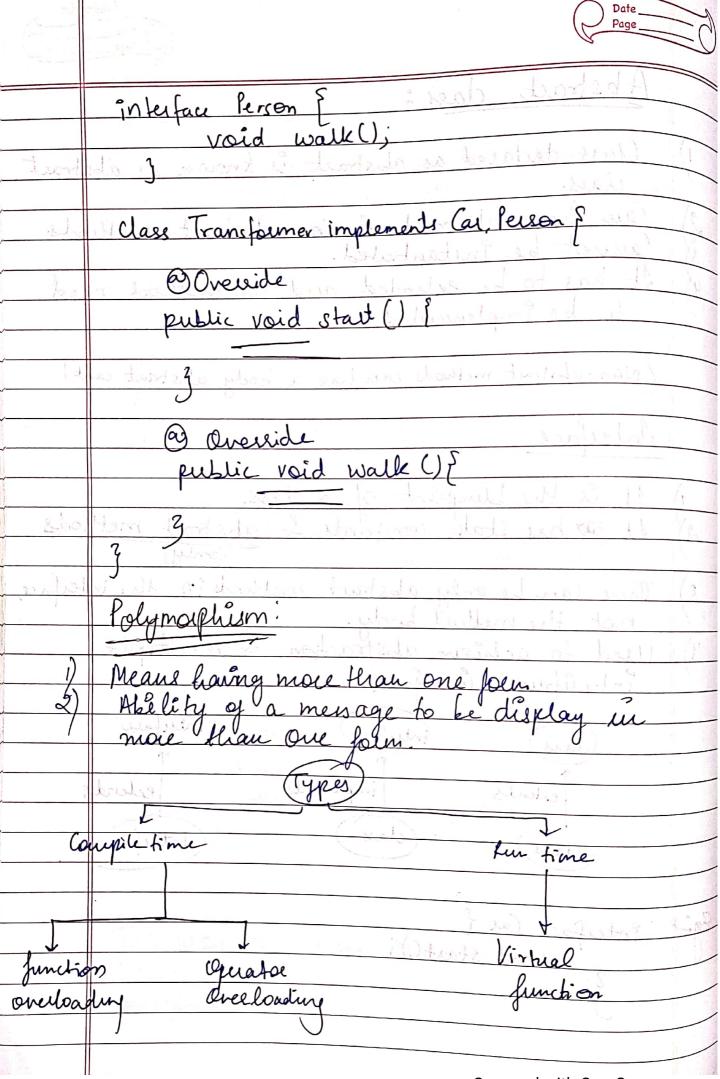
	EN	1CAPSULAT	ION:	STRACTION	.8A
	Acc	us modifi	ins - Re	which the scon	e gadass,
	V Co	muracia,	Vallable m	returnation data	at mouse Lee
	()	aunt (no keywo	nd required	ad till
3)		reled	0	20 Note to	Bai - absta
4)	Pub		(A tento	his price	
	1	Default	Prote	Protected	3
		ge j	Sar C	ALT THE PLANE OF THE	Mslic
Sund	ess	Yes	Yes	Roid? extends	kkni)
	**	165	(()	Yes	Yes
Same	ackape	Yes	110	(a) Consisted e	
sub da			NO ?	() duyes high	Yes
Same p	مدياءه	1 both to	ix. printler. ("Au	SUCKING-DI	and the second second
non-sub		. Yes	NO	Yes 1	Yes
			A STATE OF THE STA	\.	\$
Differen	- L	No	NO	Yes	Yes
Package	subda	ls	165 6	DMIN) extends	hid.
Differe	nt	Na	No	Wo	V
Package	non-		*** - 1	ehiam no	Yes.
-sub	dass		1	Otento bian	
	1	ilabola lan	19" Justin 19	Sustant 10,	
	En	capsulation	n is defin	ed as moon	201
	de	ata in a	r single u	lut.	my y
	T	e variab	los es data		01:011
33	Page 6	em auu (other class	and land	are tiddle
	400	0	1	ma an se	accessed only
the Design	1.1	1.	1 10	netion of the	udais in
	* ^ 4	· · ·	are declare		The Company
-	1	0 1		15 15 Midden	from alle class
	-1/	s also	called da	ta luding.	1
	2 20				
				Scanned	with CamScanner



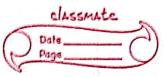
(2)	ABSTRACTION: 100	LNCAPSULATI
	The second secon	
2 A 1	1180d In regard only execute	of information
	about the data to the outsid	world, hidurg
3.41	the books and detaits as impl	ementation.
	Used to provide only essents about the data to the outsid the background detaits or impl	t this built of
Eg:.	abstract class Car [M. Privaleu
		1 8 Probeeled
	Int price; abstract void start ();	La salder Mr
	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	Projected " labli	Medant
	class Audi extends as [
	1es 1es 1es	Similary 102
	a Ougesi de	
	lav millatart () e die	Same Milage Yes
T = 4	System.out. pintln ("A	vdi streteda);
	ey le ser en	Same photogo 1 Les
or Ng i	l 4	war full dail
	No Yes Yo	-011 Thought 110-
	class BMW extends Ge of	pulceye subdess
	a No was No Yes	ah hunt
	@ Overide	Inlusion non
	void start () }	Land due
	System-out printly ("R	(MW Start)
101	is delined as unpaperer	orlohinasing E
0 1	Single Wit.	date in a
i delen	ा हा विकास की व तथा वर्ष द	He yourabl
I enly	that class and take proceeded	of Premary
الذن الأ	Two ways to achieve alectration	Lagrage their
	Abstract class . South of the	while Hay
J (9)	- Interface has a man of the	to the the day
	ALLIE CHATE SCHOLOS	it is also
Account to	i 1	



		Page
	Abstract dass: ? mons	listri -
	Walney bion	
	Class declared as abstract is known	as abstract
	CALS.	4
2)) Can have abstract & non-abstract	- mellinds
3)	Cambare abstract & non-abstract Cannot be instantiated.	
<u> </u>	It has to be extended and its mel to be implemented that bear sites	hod need
	to be implemented took biov silder	de ha III
	(Non-alstract methods can have a body at	stract cant)
	A	
	Interface elierano &	(a)
1	Sublic void would Of	
	It is the blueprint of a class.	hill the fire
2)	1) It is the blueprint of a class. It has static constants & abstra	of methods
-	Cont	17.
3/	There can be only abstract methods in not the method body.	the interfac
4)	[lead to a lead body. milde	Polypru
')	a min	thing e
		1) MP0118
		uface)
	aass mustace mo month	7
5 ·	extends implements	
,		extends
	(dass) (dass)	nterface (1)
, , , , , , , , , , , , , , , , , , ,		(an face) ()
Egin	Protesface Car {	
U	lovoid start();	
-	Gerator Sumbion	
,	Averbowding	milian
		redocalun
- 5	II ·	



Scanned with CamScanner



Eg.	class Multiply Num [
U	
	Stabic int Multiply (int a, int b)
	state we multiply (int a fut b)
	return a*b;
	3
	Static double Multiply (double a, double b)
	5
	return at b;
	4
	By J
	Static unt multiply (int a, int 6, int c)
	.}
	return a*b*c;
	2
	7
<u> </u>	