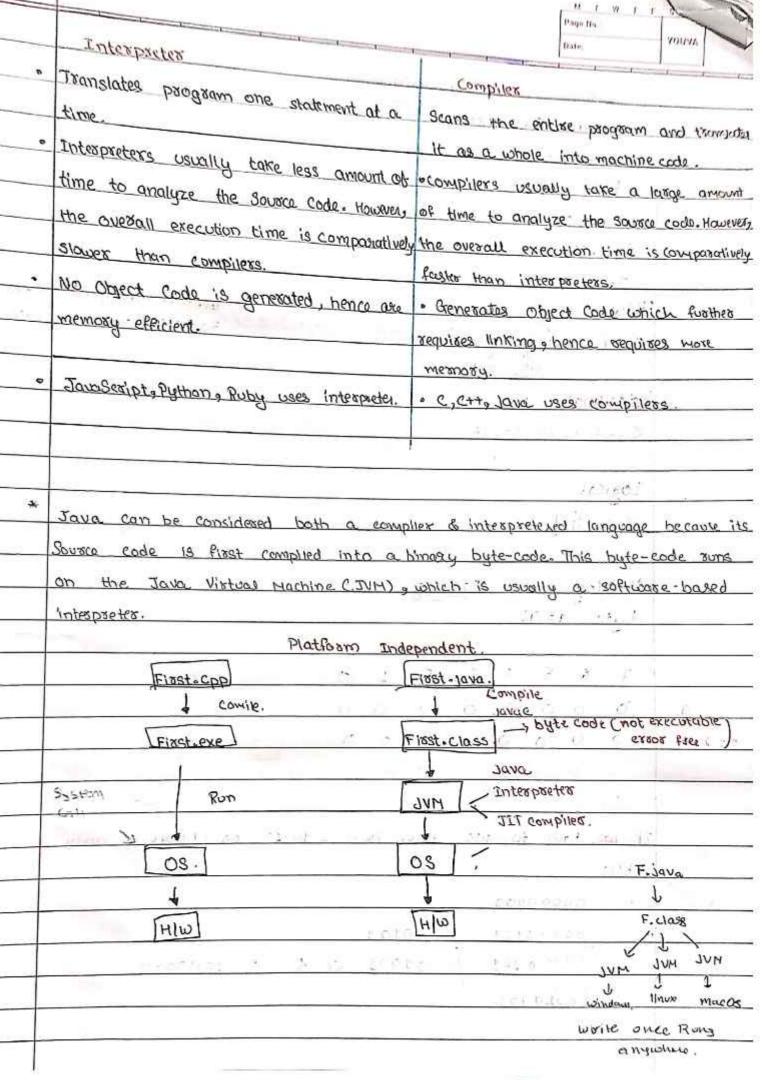
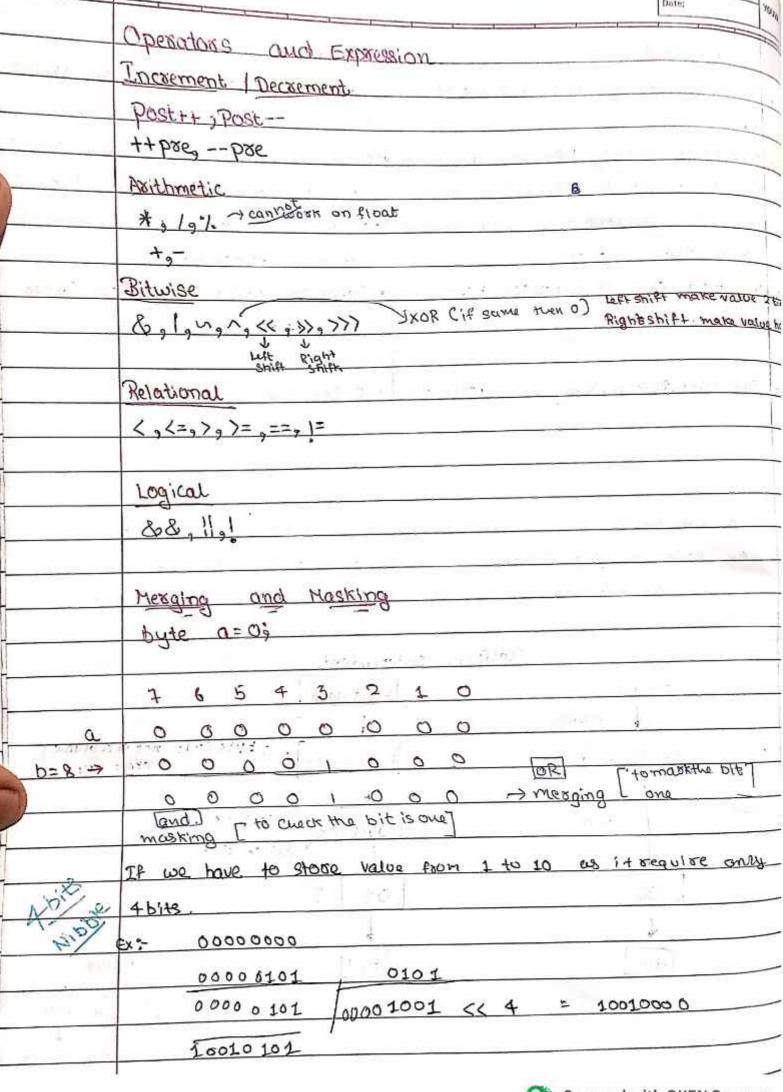
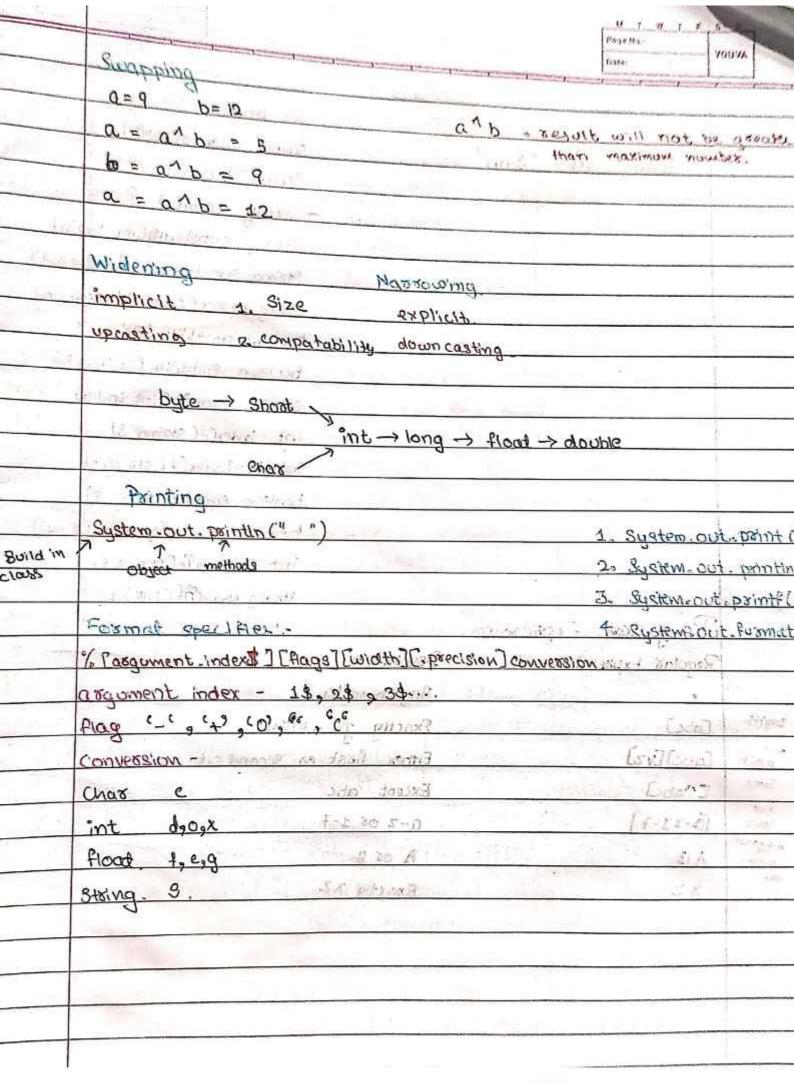
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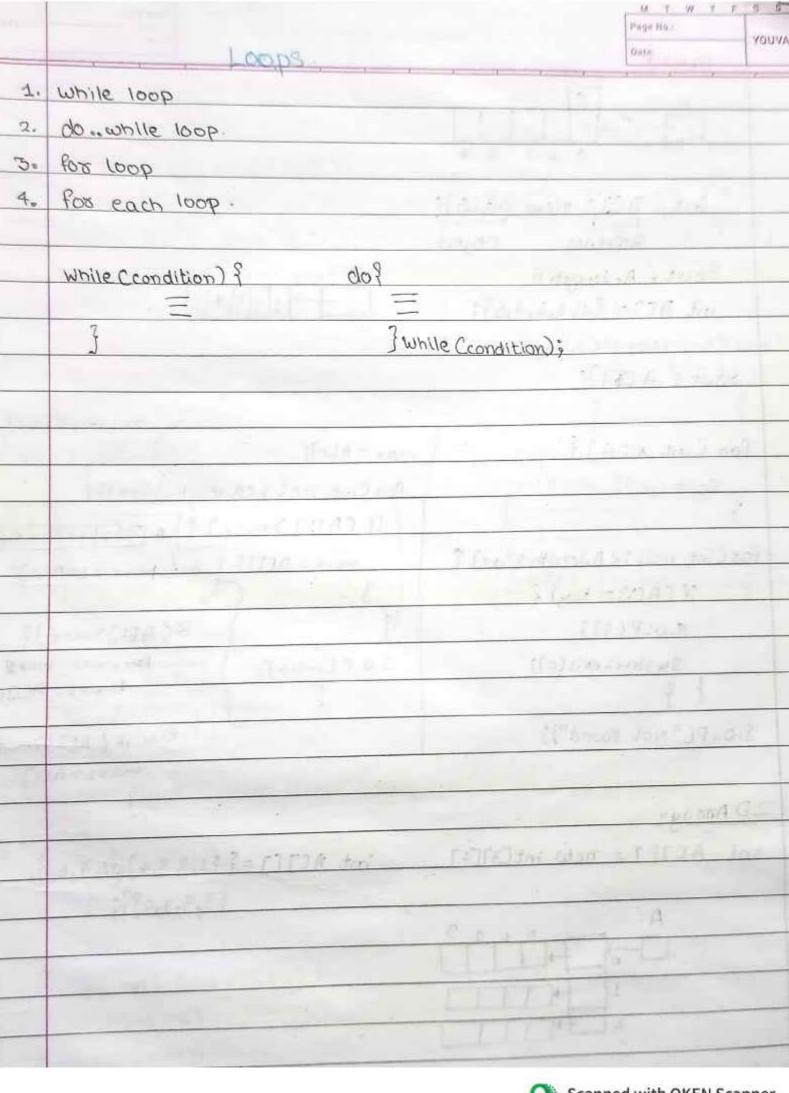


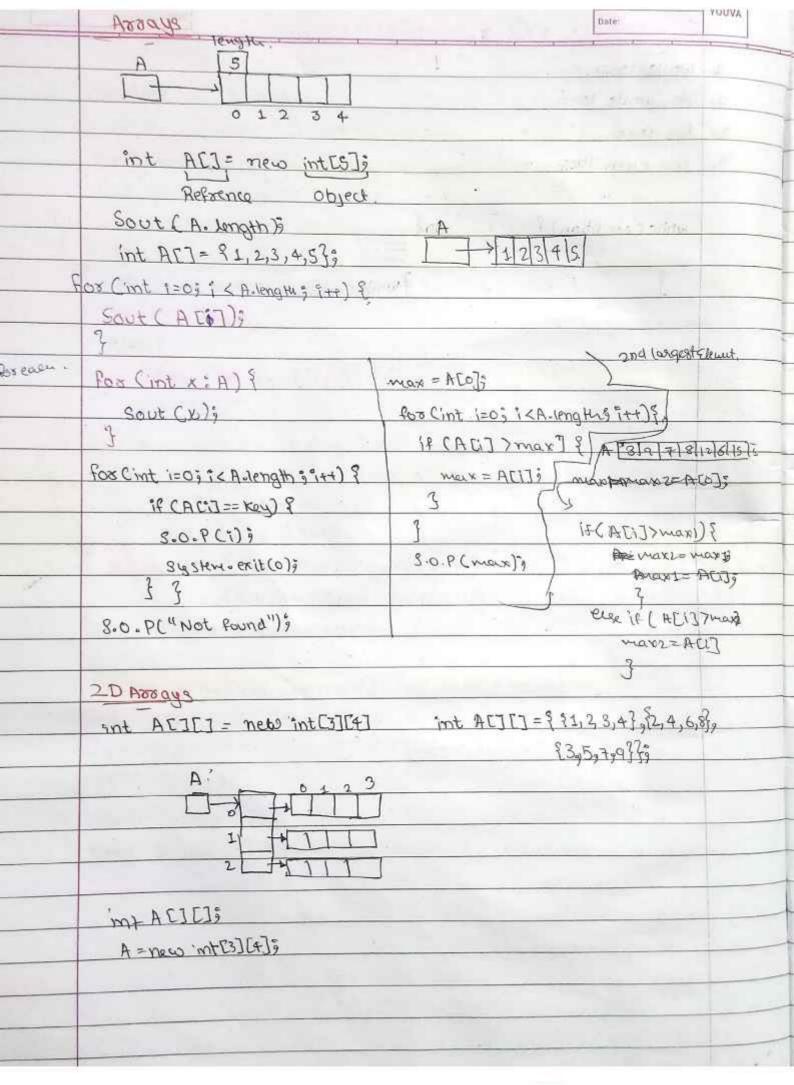
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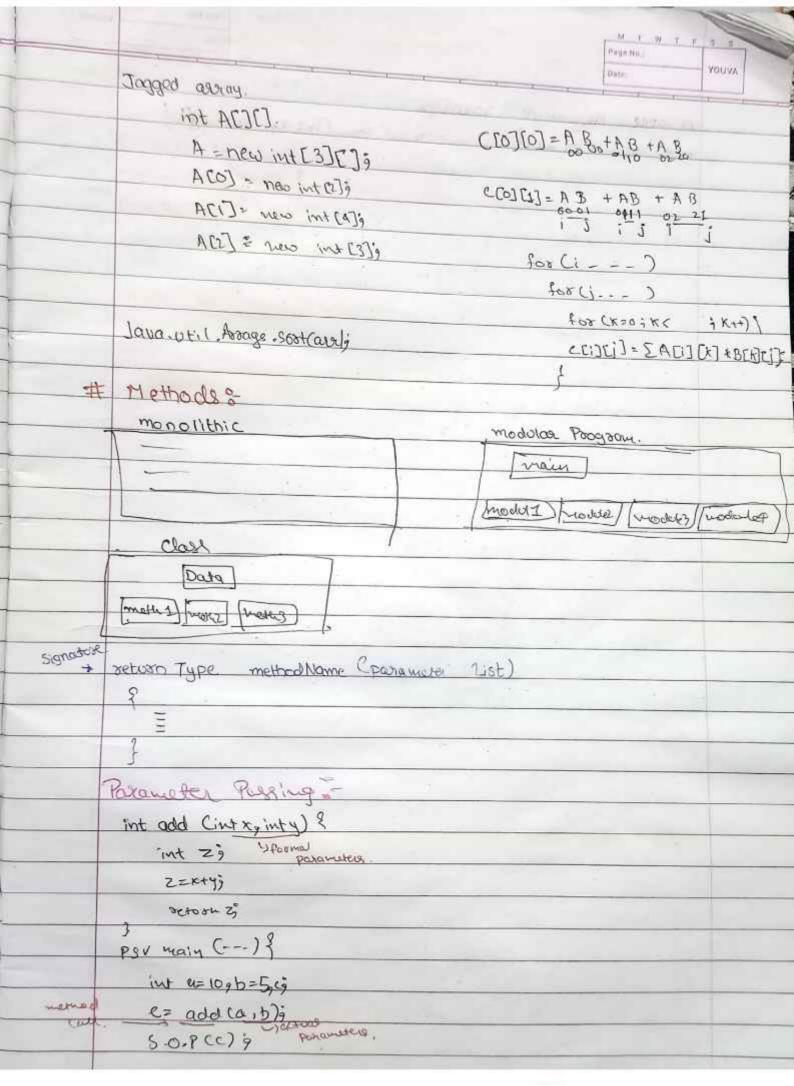
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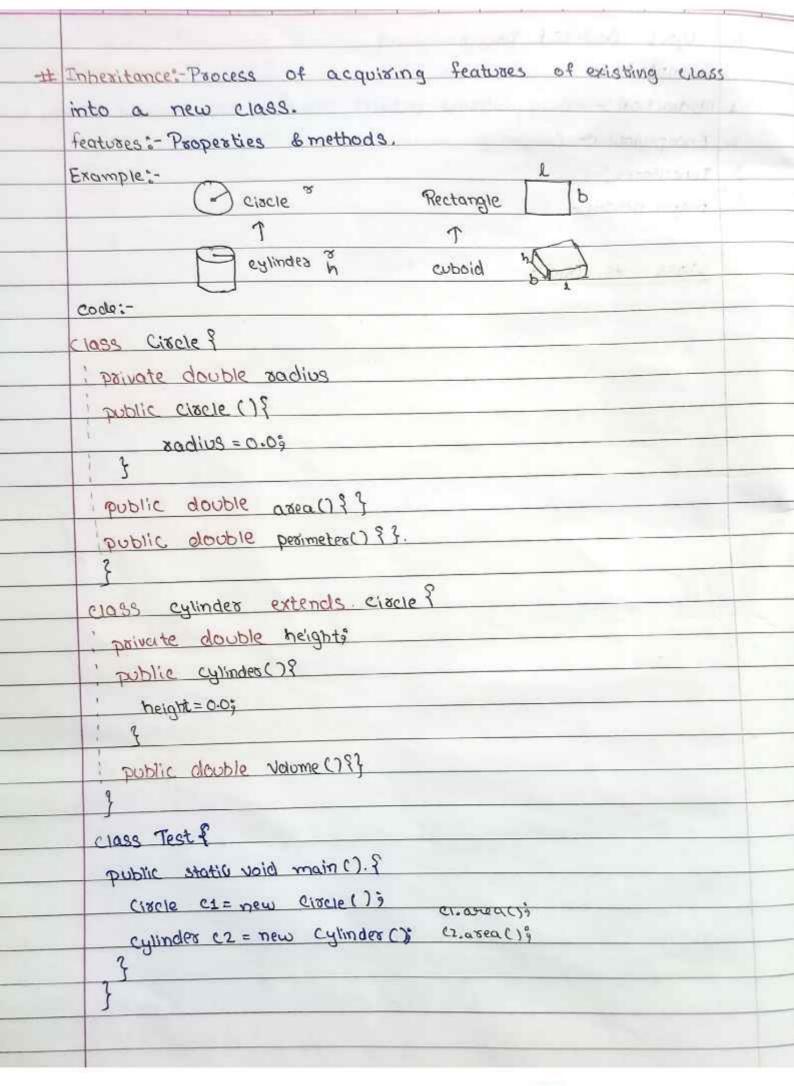


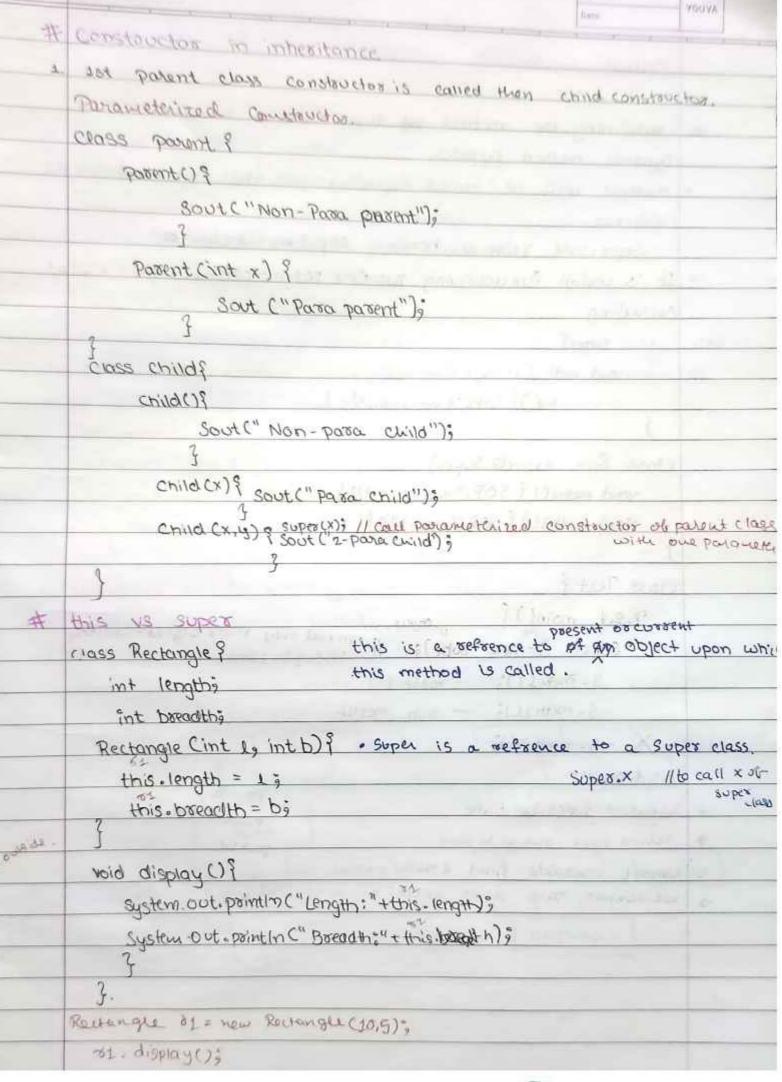




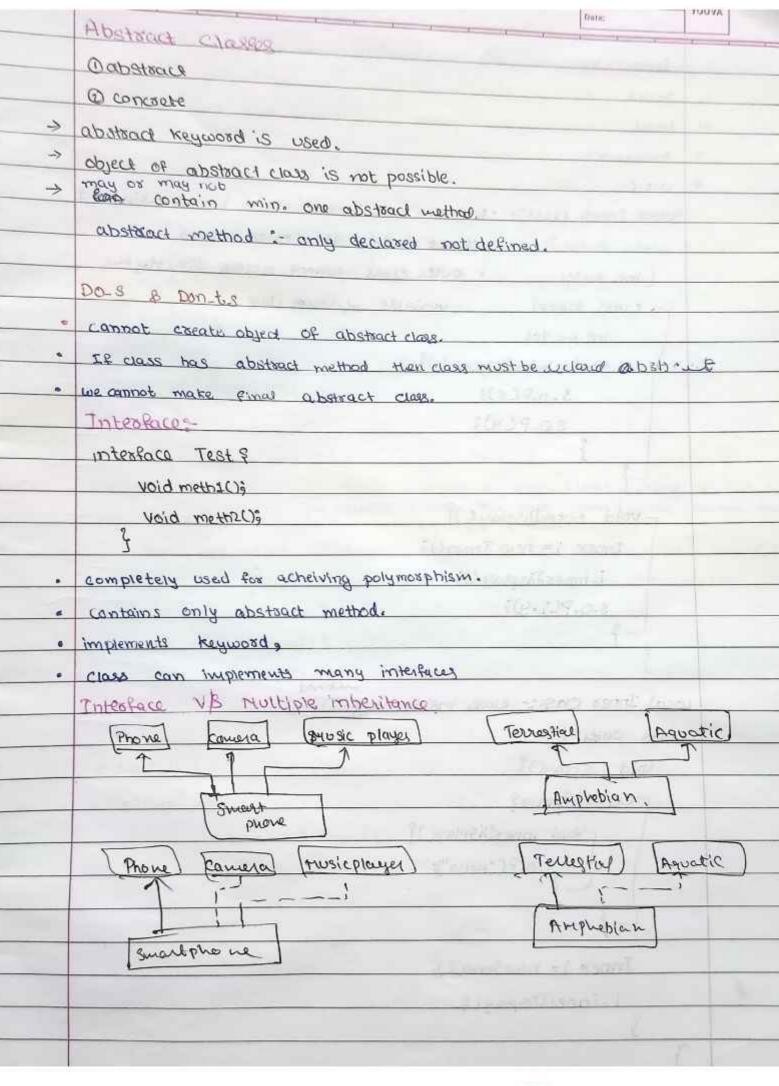
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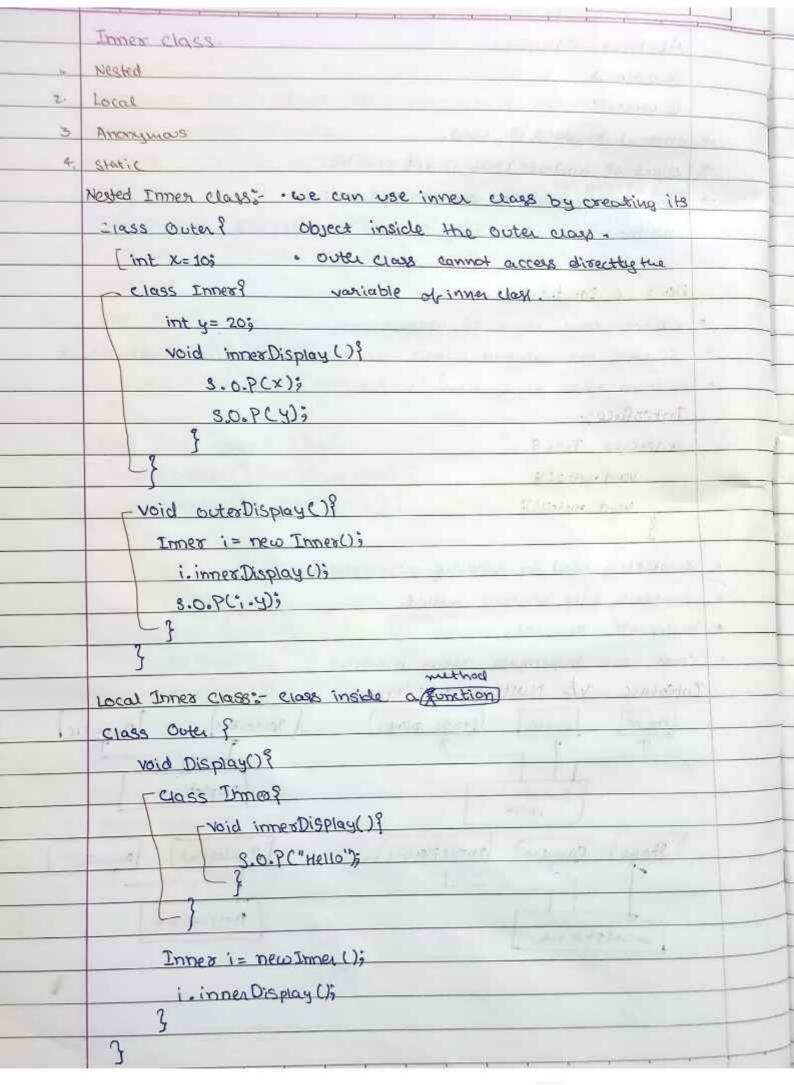
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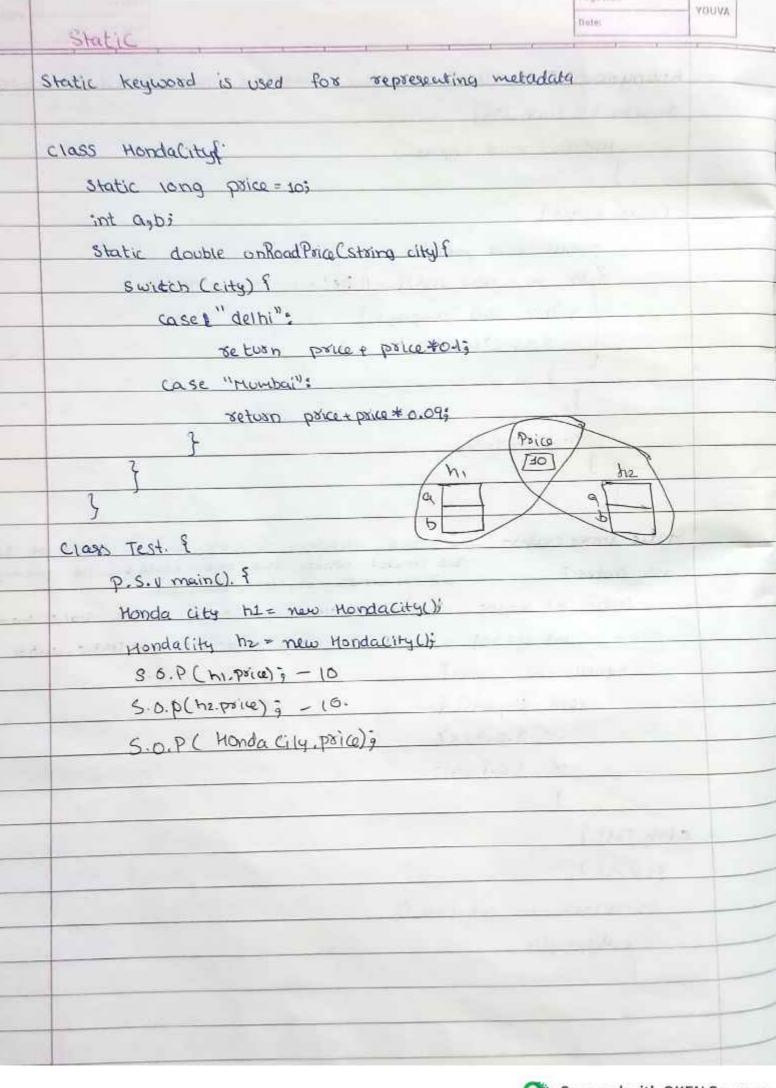


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•	method will be called depending upon the object not on the	
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	Superclass refrence holding Object of subclassing	-
->	It is usefull for acheiving our time polymorphism. Using method	_
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Ex:-	class Super?	
	void meth 1678 SOP ("meths") \$7	
	void multiple) { Sope" super method"); }	
	2 Folian Colony and 1 Tomas 5	
	Class Sub extends supers	
	void meth20) 9 SOP ("SUB MEth2") 3 3	
Y 13.	void meth3() \ SOP ("meth3")\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
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1000	C SOULLS IN MSUPER CLOSS.	
	S. meth 1 (); - meth 1	
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land.	Do's & Don'ts Private	
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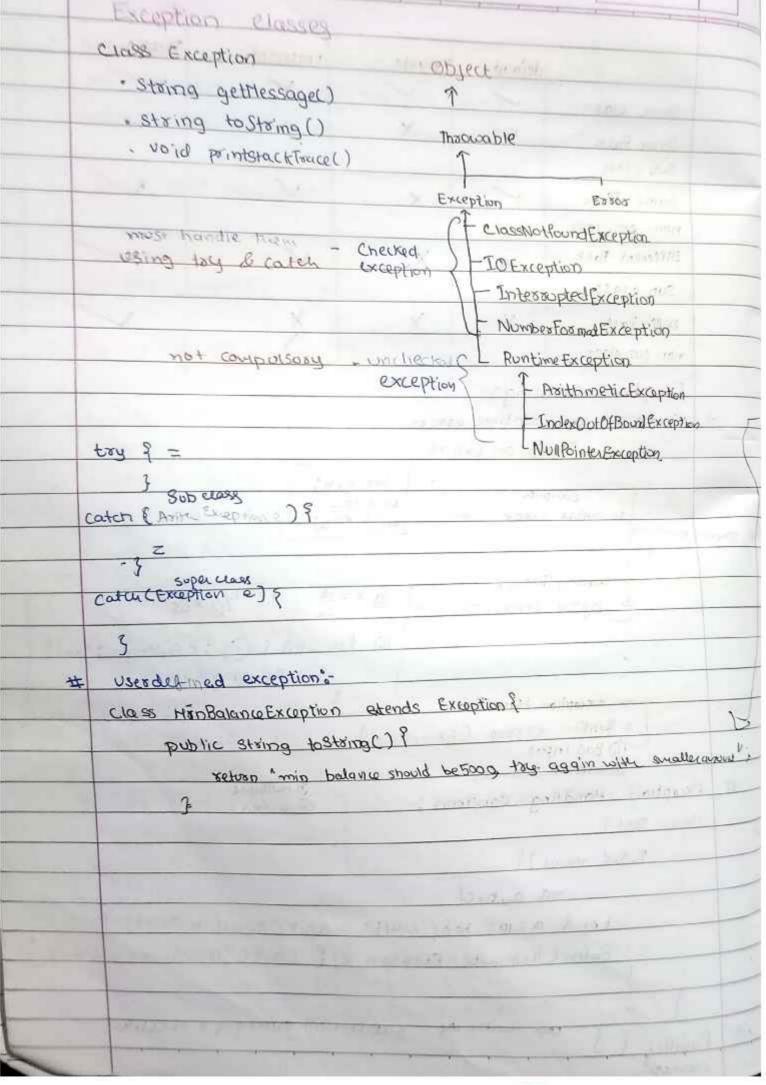
Page No. YOUVA Date: A nonymous Innerclass:- is defined at the time of exection of objects. abstract class My? abstract void display (); Class outer 9 public void meth() PMy m = new my() { 1) Defining the massage public void display ()} S.O.P ("Hello"); m. display(); Static Immer charges one static members of outer class, shed of sic any be executed outside the outer class & access from any where Class Outer ? without creating object of books creats Static int x=10; " static class can only across static members int 4=20; of class connot access not static wanter Static class Inner ? void display() & ~ 8.0.PCX % x s.o.P(4); class test & psvm() q Octer Inner: new outer Inner Chi (display ()

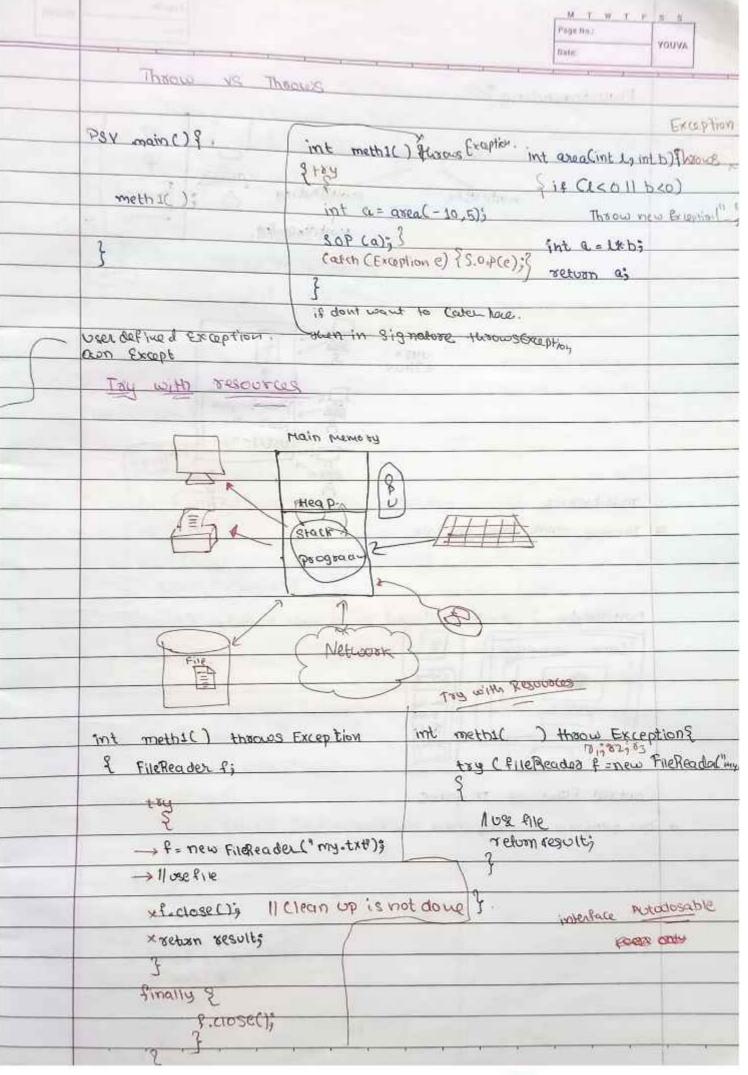


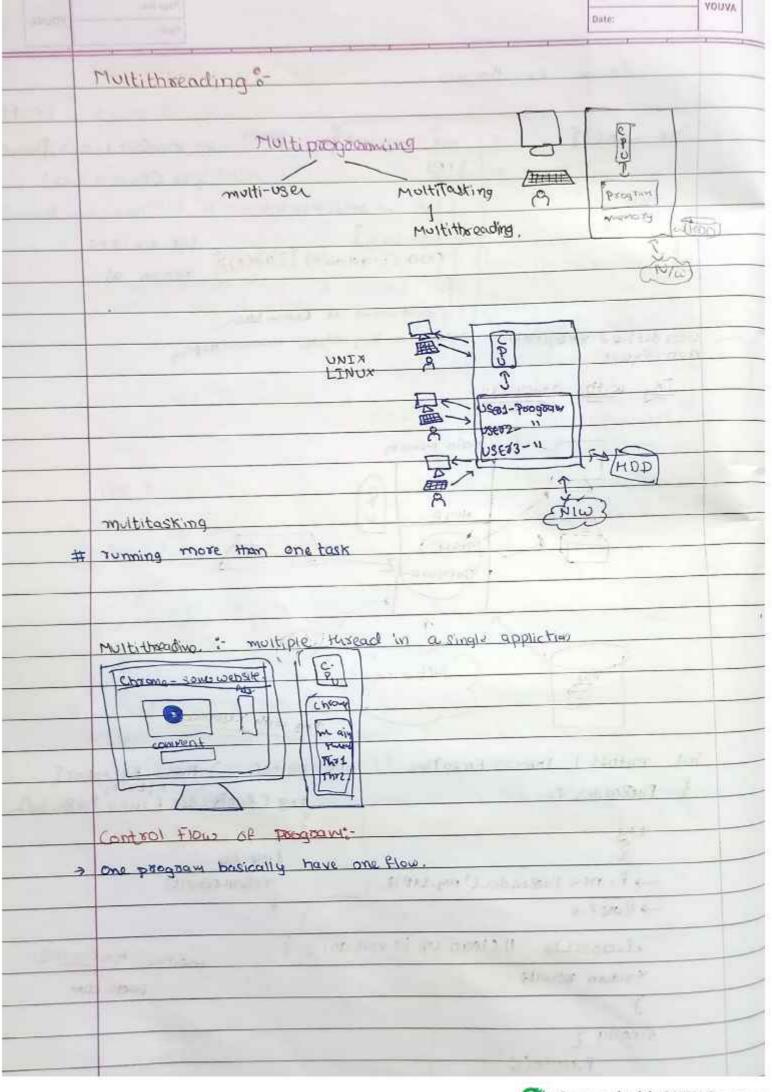
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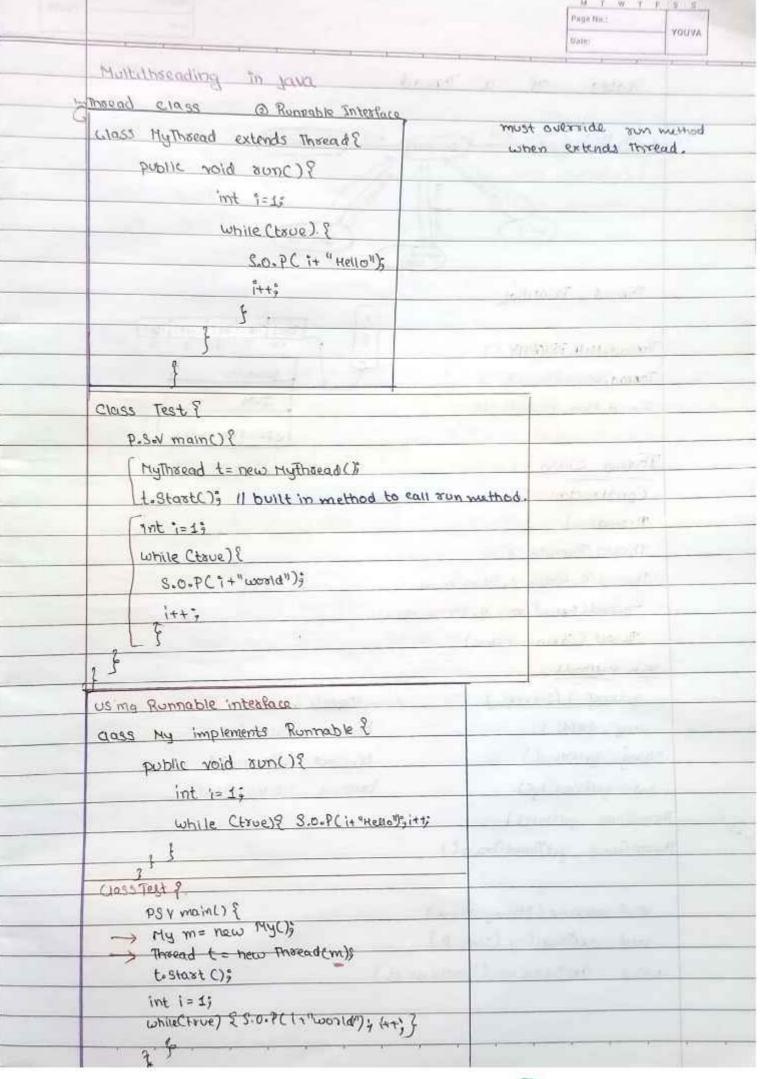
	Packages
٠	A package is a collection of classes interfaces or other packages
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•	ce souping at related classes interfaces & packages.
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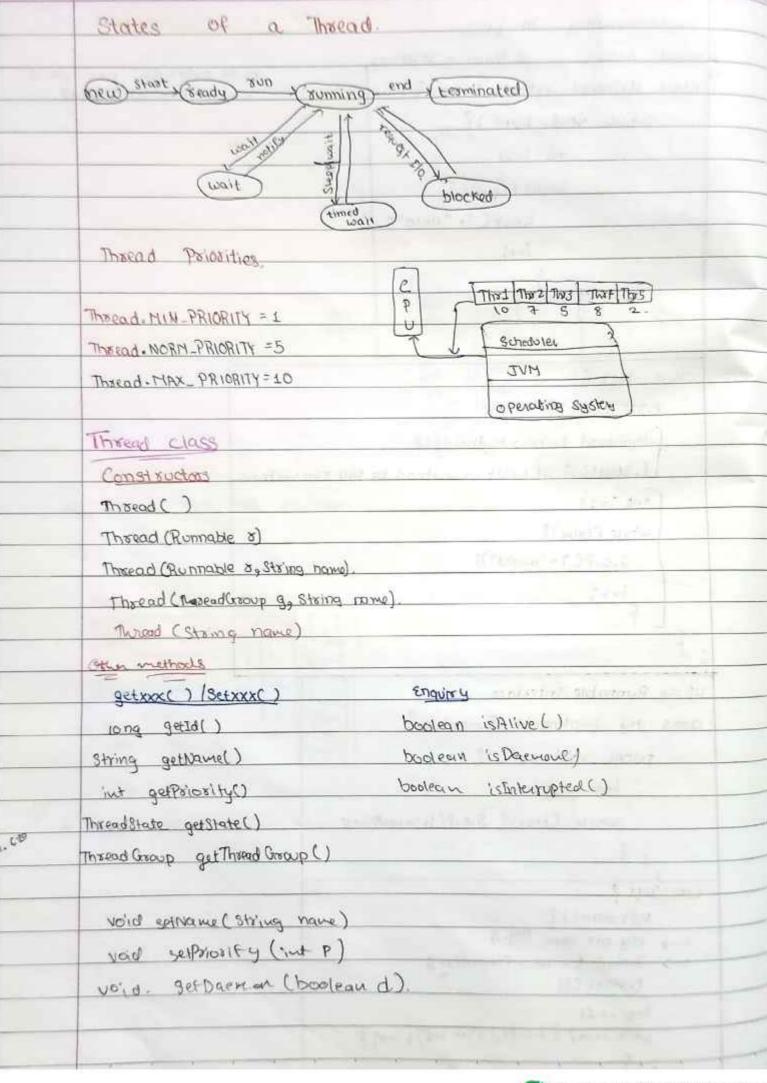
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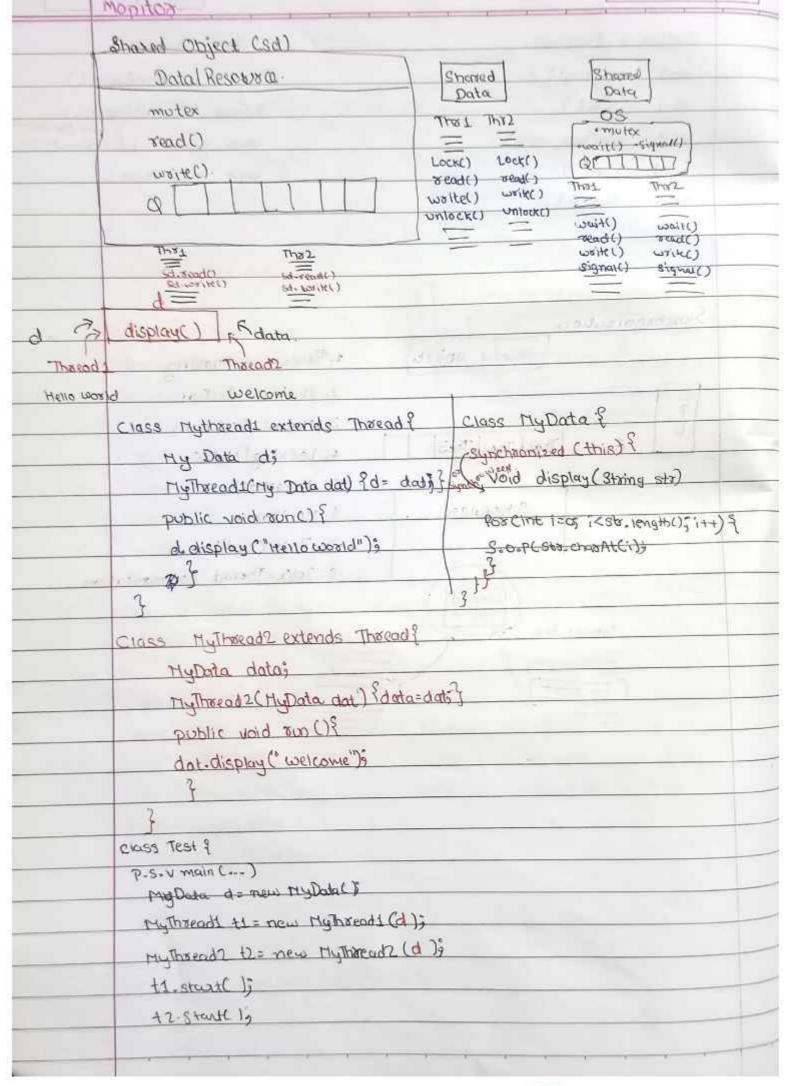




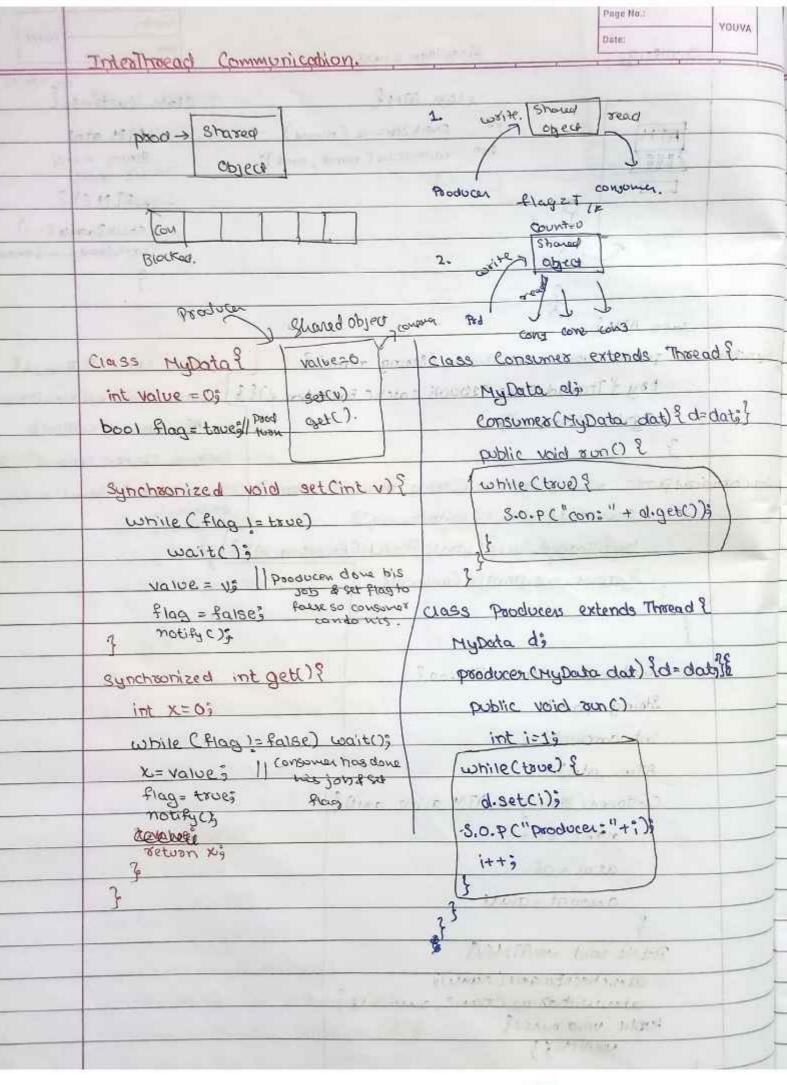




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class ATM	3 7		
		18	public class SCThorad 18
Saucesoning boping	void checkbalance (String name	78	
	Thread. Sleep (1000); eatch (Exce	ption ell	AFM an = new ATM()
Sobt	("Balanco")		
3	en la		customer (2= new costomer "smiry'or
Sunchapping ablic	void withdraw Cathing name, int	UMONA)	Costown (2- pers (08tomes ("John") others
envi	EDINT (name + " withdrawing");	100000000000000000000000000000000000000	L_ca: stant())
0	Comman - Trately (Fxr	eption e)	£3\23
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9 5			20,3800
J	All addition	074.	A
class Custov	med extends Thread. E	111111	for by inspirately
	Mames		o by the
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			English = af
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	woo (String n, ATM a, int aut)?		The state of the s
A. Fr	name = 179		pa vientini
	utm = 05		5
	mount = anti		
٤			
Dahlic	void useATMC)9		
200	- LOCEPHIANCE (DOLME) 9		
also	1- withdraw Chame, amount		
Public	Jenus pion		
	USEATTACK }		
3			



	Challenge	M T W T F S S
	Student Teacher D whitehouse	Date YOUVA
	13.05 CALOCAL (1)	allest to the transfer
	T Class I	white Boat of String Hots no of dute a tog
-	1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Transfer of the second
	It is 00Bs P	write (msg)
		String read () {
→	It Supposts Multithreading /1	attendance () {
→	end.	nook studend + tij
		J-
	00000	1
		January Thomas
	Class whiteBoard & Chass	Peaches extends Thoraid E
		xonO & 3
	string texts con	Stephend Extends Thorond ?
	int no destudent - as	ring Danus
	int counte= 0; Il now many has complete	301 E
	Public void attendance () ?	baug.
	nocef students ++5	1
	Synchronized public void work (Stringt) ?	class Teacher extends Thread &
	Sout ("Teacher is writing "+t);	whiteBoard was
	while (count 1=0) wait();	String notes [] I Java is lave " " It has ath"
	text = 6	String Holder Javas 11 40 and 1
	Count = pranter Of Studens;	"Pleatform Independed, "Currord"
	motify AUC);	public Teacher (whiteBoard w) {
	- I by Die Clare mond () 8	ωb =ω; 1 ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±
	Synchronized public String read()?	
	while ((ount==0)lucit();	Aublic wold runk
	String t=texts	
	Count-;	fox (int 1=0; i < note length; i++)
	if(cont==0) notify()	\$ (Estator) \$1 row.do
	रक्षका मु	4
	1	17.11 (C. Fall)
	3	same that? of 14413
	Con to calcula A prodit	Public Stays Schreades
	Class Students extends Thread?	DSVM (String () args) {
	String name?	
	ent Hermand was	whiteBoard who new whiteBoard
	Public Studens (String no white board w) ?	Tracher t=new Teacher (wb)
	name ms	
	μb=ωş	Student 91 = new St (
	Public vaid son () 9	SZ t
	string text)	93 *
	do & text = Whisead ()	of store();
	Sout Phospo	
	Fushilo ! text. equals ("lend")	
	The state of the s	DI I STISMAN

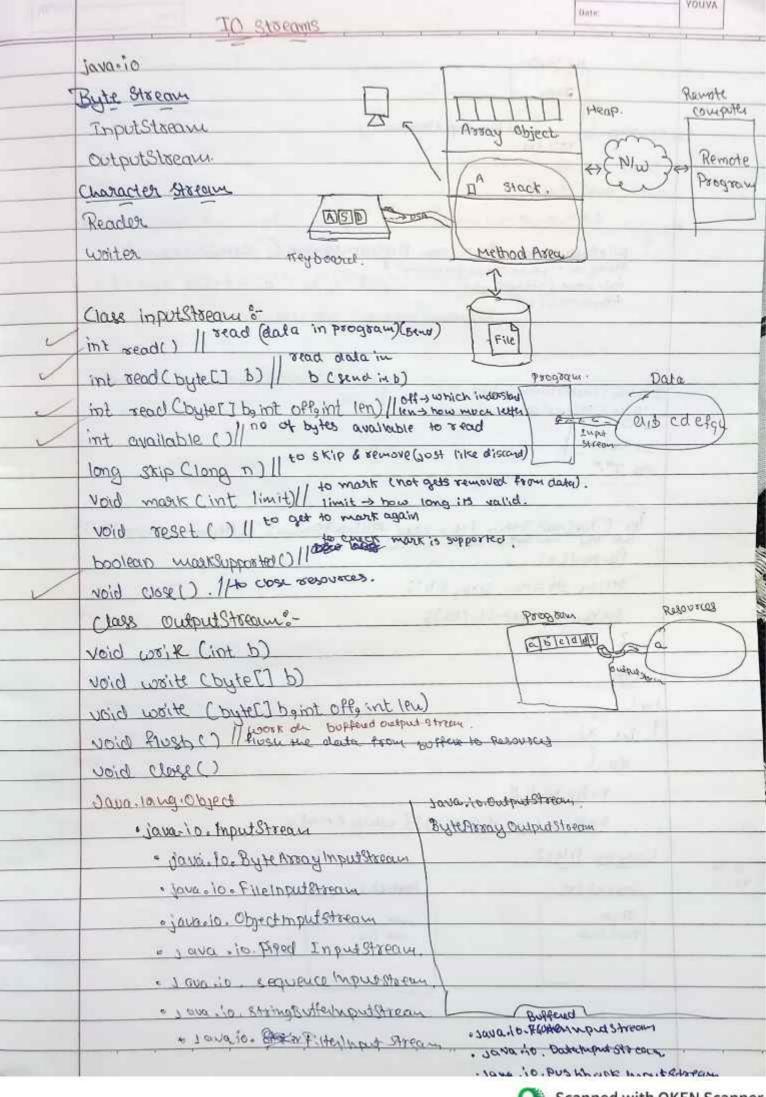
	Java-lang Package
	Object classif
	class myobject ?
	public String toString() {
	return "rly object"; }
	public int hashlade() {
	8etus 100; }
	public boolean equals (objects) {
	return this. hashlade () = 0. hashlade (); }
	?
	VN4 2
	Public class Wrapper &
N	public steels washpay 1 public steels wild main (strings) arga) (
	Tritegex i= new Integer (10)
	To Santa Tarina
TEXT C	Integer a minteger value of City
	Integer b=10;
	Byte C=15;
	Byte d= Byte. Value Of ("15")
e	According to the second
bb=15	Byte e = Byte, value Of (bb);
19 (C.5h)	The street of th
	Float h= Fload. value Of ("123.5");
-	Double j=Double-valueOf (123,456);
	Character K= Character value Of ('A');
Di L	Boolean L=Boolean value of ("true")
t time	float x=b.floatValue();
	float y= h; 1/similar to above one auto suboxing.
	int m=10;
	Integer n= in 11 autoboxing
	int p=n3 llauto unboxing nint value();
	C

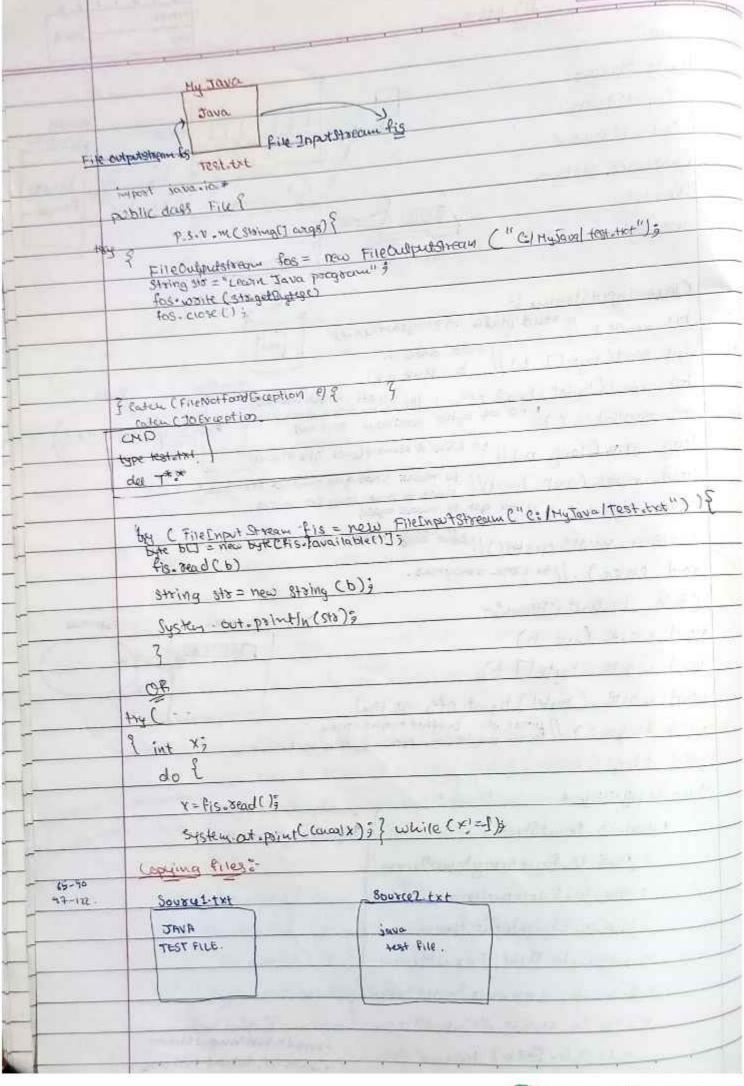
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	Interes class.	Dute:	YOUVA	
	mt 141 = 15;		2	-
	Integer mesmy;		-	-
	INTEGER MESTIS.	114	_	-
	m2 equals (-1) 11 tage			-
	ALT Edomis (m.) 11 fro 6	10 le		
	THE CONTRACTOR OF THE CONTRACT			
	Integed m2 = Integer-value Of ("123");			
	Integer m3 = Integer value Of ("A7", 16);			
	Integer m4 = Integer decode ("OxA7");	HEP NO.		
	Sout C Integer - xeverseBytes (128) == Integer. MIN_VAL	હ(કહ		
	7			
	3			
	Floor Class:			
	Float Class			
	float a=12.58°;			
	Float b=12.5fg		T.	
	System.out-pointin (b. equals (a))	.73	1 2	
	beis (Phanite()) beis NaN			
	String String Buffer 1800 Stain	ng Builder		
	mutable			
8	Helloward shell	0 480		
1	append () some as sm	the ead-safe.	_	
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	Thread-safe (const act of 188 simultoness)			
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	diname () literus non	ne.	
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		f Private or elefault tipe	
	" wan evou is loaded for ea	ich constent constructor is called,	П
		A"), IT("Smith, Block B"), CIVIL ("Svinivas", "Block	(v)
	ECEC "Dave" , Block	A STATE OF THE STA	/
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	string locations		
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	Subtra string gettlement of remon	nead}	
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#	reflection package. Csub package.	and sessential . Rock C.C. Jand)	-
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#	Reflection package. Csub package. Csub package impost java lang sellect. #; class My & private int a; protected int b;	Public Class Reflect Demol P. S. V. m (String [] args) }	
#	Keflection package. Csub package. Import java.lang.reflect.*; class My & private int a; protected int b; public int e;	Public Class ReflectDemol P. S. v. m (String[] args) { Class C=My class;	
#	Reflection package. Csub package. Csub package impost java lang sellect. #; class My & private int a; protected int b;	Public Class Reflect Demol P. S. V. m (String [] args) }	
#	Keflection package. Csub package. Import java.lang.reflect.*; class My & private int a; protected int b; public int e;	Public Class ReflectDemol P. S. v. m (String[] args) { Class C=My class;	
#	Keflection package. Csub package. Import java.lang.reflect.*; class My & private int a; protected int b; public int e;	Public Class Reflect Demol p. S. v. m (String [] args) { Class C=My.class ; or My m = new My [];	
#	Keflection package. Csub package. Import java.lang.reflect.*; class My & private int a; protected int b; public int e;	Public Class ReflectDemol p. s. v. m (string[] orgs)? Class c=My.class; or Class c1 = m.getClass(); C. getName();)
#	Keflection package. Csub package. Import java.lang.reflect.*; class My & private int a; protected int b; public int e;	Public Class ReflectDemol P. S. V. M (String[] args) { Class C=Mg.class; or Class C1 = m.getClass(); C. getName(); Field field[] = C. gotDeclasedField)
#	Keflection package. Csub package. Import java.lang.reflect.*; class My & private int a; protected int b; public int e;	Public Class ReflectDemol P. S. v. m (string [] args) { Class c=Mg.class; or Class c1 = m.getClass(); C. getName(); Field field[] = C. gotDeclasedField Canstructors (arg] = C. get(Sugtructors))) kgCl
#	Keflection package. Csub package. Import java.lang.reflect.*; class My & private int a; protected int b; public int e;	Public Class ReflectDemol P. S. V. M (String[] args) { Class C=Mg.class; or Class C1 = m.getClass(); C. getName(); Field field[] = C. gotDeclasedField) kgCl
#	Keflection package. Csub package. Import java.lang.reflect.*; class My & private int a; protected int b; public int e;	Public Class ReflectDemol P. S. v. m (string [] args) { Class c=Mg.class; or Class c1 = m.getClass(); C. getName(); Field field[] = C. gotDeclasedField Canstructors (arg] = C. get(Sugtructors)))
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	Seflection package. Clavale impost javalang seflect. *; class My & psivate int a; psotected int b; public int e; int d;	Public Class ReflectDemol P. S. v. m (string [] args) { Class c=Mg.class; or Class c1 = m.getClass(); C. getName(); Field field[] = C. gotDeclasedField Canstructors (arg] = C. get(Sugtructors))) kgCl
	Keflection package. Clavale import javalang. reflect. *; class My & private int a; protected int b; public int e; int d;	Public Class ReflectDemol P. S. v. m (string [] args) { Class c=Mg.class; or Class c1 = m.getClass(); C. getName(); Field field[] = C. gotDeclasedField Canstructors (arg] = C. get(Sugtructors))) kg()

Table 1	Pirge No.: YOUY	7
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* @vession 2.0	Inbuilt Annotations	
* 68mce 2018	1. Dovednide	
**/	2. Deparcated	
package Javadocdevoj	3. @ Functional Interface	
tackings Javasoccinos	4. QGuppressWasnings	
* Qauthoo abo	5. @ Safe Vorangs	
* Class for Library Book	import java lang annotation. Annotation;	
*/	@intesface My Anno?	
Public class Books	Stating name ()'s	1
1**	String horseower ();	
* @value 10 default value	E @ MANO Crawo - "May", Project - " Sant")	
*/	in-built Annotations and	S !
Static int val=10;	1. Retention. (@ Retention (Retention Policy. ex	ACE.
1**	2. Dacomented	
* Pasameterized Constauctor	3. Tanged C@Torget (value = ElementType. fix &	ibb)
* @pasam 3 Book Name	4. Inherited ;	
*/	5. Repeatable	
PUMIC BOOK (String 3) & 3		
POPUL BOOKESTEINS CO.	r manufactur producer party lattice of	
* Jasue a Book to a Studend	2	
* Deputer soll soll souther a	of asmoo	
a Othrows Exception if book	s is not cavailable, throug Exception)	
*/	20 (20°-) V = 2-0 400 (00°)	W.,
public void 1950e Cint 8011) H		
Jac ove	All College of the second	
scheck if boot is available		-
* @Param Sto Book name	The sold was to be	-
* @xetush if hoot is audila	bu returns true else falls	
* [1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Tublic boolean available (sta	sing str) Exeturn trugit	
Toblic boolean available (315		
4		
}		- 2

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		med and	1 (2) Function of Intexface
Ion	No Expressions		This is the second of the seco
Abel	c class Law	ada Devio &	poblic void display();
JON.	c class Linu	78	poblic voio and
	Carin.	Q2W425	9
	Lucy souba m=	new My Laund 19	class my implement myranobolas
	Lia	display()?	Class MS
	P. V.	()	P v alisplay () &
	Sout	("Heria Mosia");	5.0 Las ("Hallowoold"); 5
	3		7 2
	3,		
	m. display C		
		OR C) -> { Linday	6.
anonymous	Mylambda.	m= our eyes some	4
Method.	Soo	+("Hellomoxld");	p V display (string &x) &
Lambda	};		
O pression	1.7		J 3 Note House to the second
	1	WANTE WAS TAKEN	1.
	(M	Hambela m=(9)=\$sootC	الماري عليه عليه الماري عليه الماري عليه الماري
		The second	A 4
	M. Alsplay	(" Helico woorld");	17-10
	1727E2231		the S. Companies Companies .
	Page 32/13		To: make washing make did &
	Mamba	m = (a,b) -> freturn a	1459 19
	N. Jankie Y	N= (Oah) => OHDi	W. Lander
Ç	apture	- Authorities	use local variables about if they
	manacress 1000	1 variables of arm	
	n . C	as they are took a	
			New Por constructor
0	method softene	2	
	interface Myle	jubda & P.V dieg	play (String Sta) }
		Lombola domo & P.	3 1 m (string[] args) }
Landabaro 1d=	www (autobol) in	Lambade	3 1 m (string[] args)?
1 andataro 10=	My	TOWNOOR WIT - 29	
Landaten weld	Yever	ul - display (" Hello")	,
my	1 4		
-	^		. 6
		everse listring stri	
	Strim	abuffer sb = new	string Buffer (str)
		reverse ();	mediana 3
	Syst	m-ant-baing/2 (3P)	9
	3		
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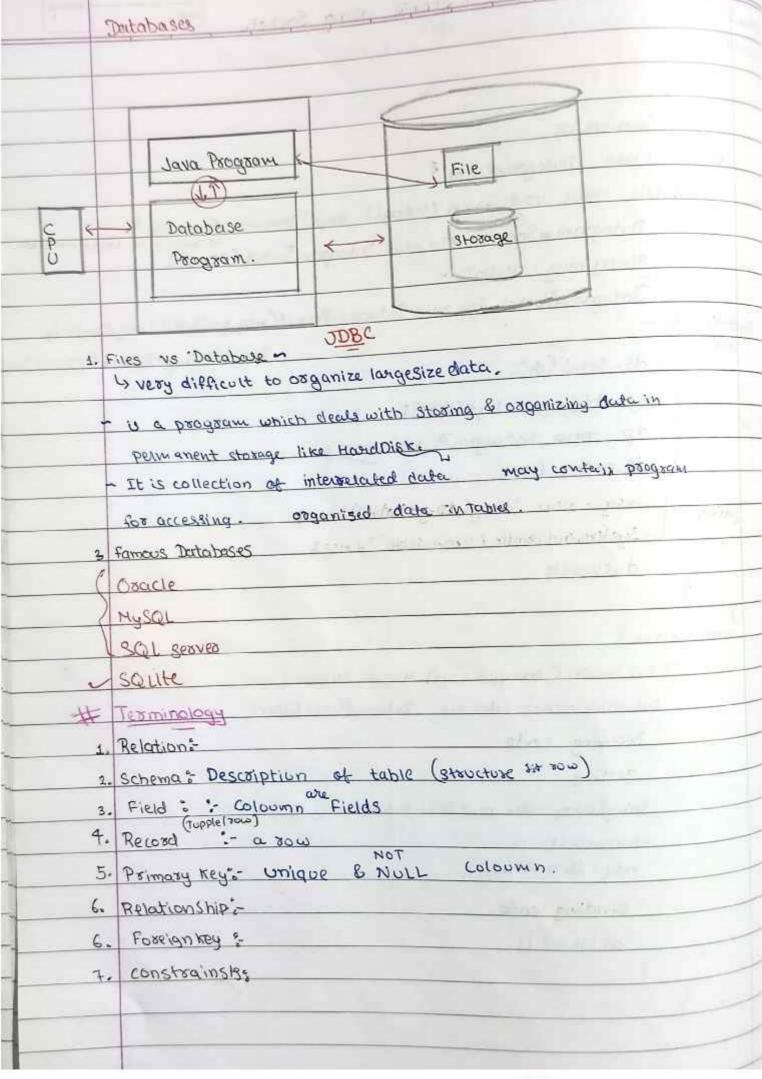


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		Pesensi	
	Lis Tropies	Onte	AOUAV
	The state of the s	- I STATE	
	Sequenalized Stewn See New Sequence Transferrence (Palation)		
	Sequence input strain & a new Sequence Transforment Post (10)	/100	
	int b		
	WHILE CESSES, MICHELLY		
	San work (b):		
	The state of the s		
	R.A.		
	Byta streams.		
	Public class Byte Donof		
	107		
	psvm (String() angs).		
	1 byte b()={'a',b','c',d',e,4',9',6',1',9',};		
	By te Ar ray [uputstream bis = new Byte Array Inputstrem (6);		
	int to	Adhan	
	196339 - 3063		
	course bis readA(Bytes();	14.1	
	and the state of t		
		PSS .	
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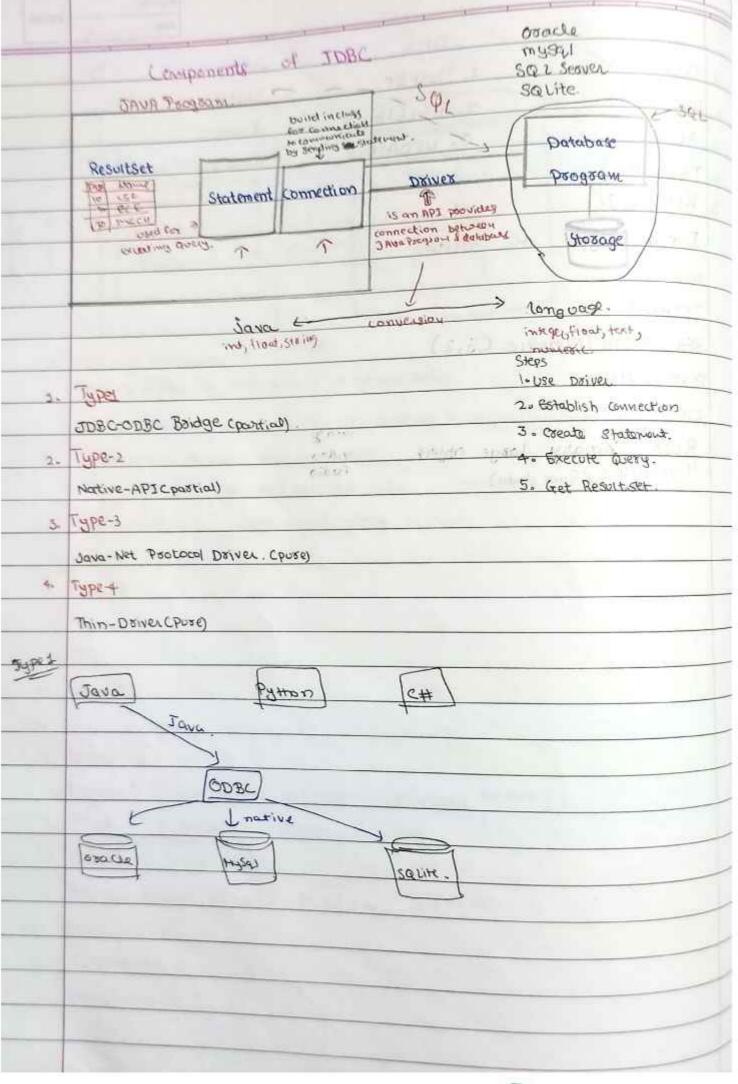
	Jaya Generica:
#	Introduction:
	class Object
	Ol ("Hello");
	Object obj = new String ("Hello");
	string str = (String) obj ?
	public class Creneric Demo <t> }</t>
	T data[]= (T[]) new Object[3];
	PSVM(String() ones) (
	Generic Demokstring> gd = new Greneric Demo();
	gd.data[0] = "hi";
	gd.dela[s] = "bse" j
	11 gd.data[z]= 10 g
	- G

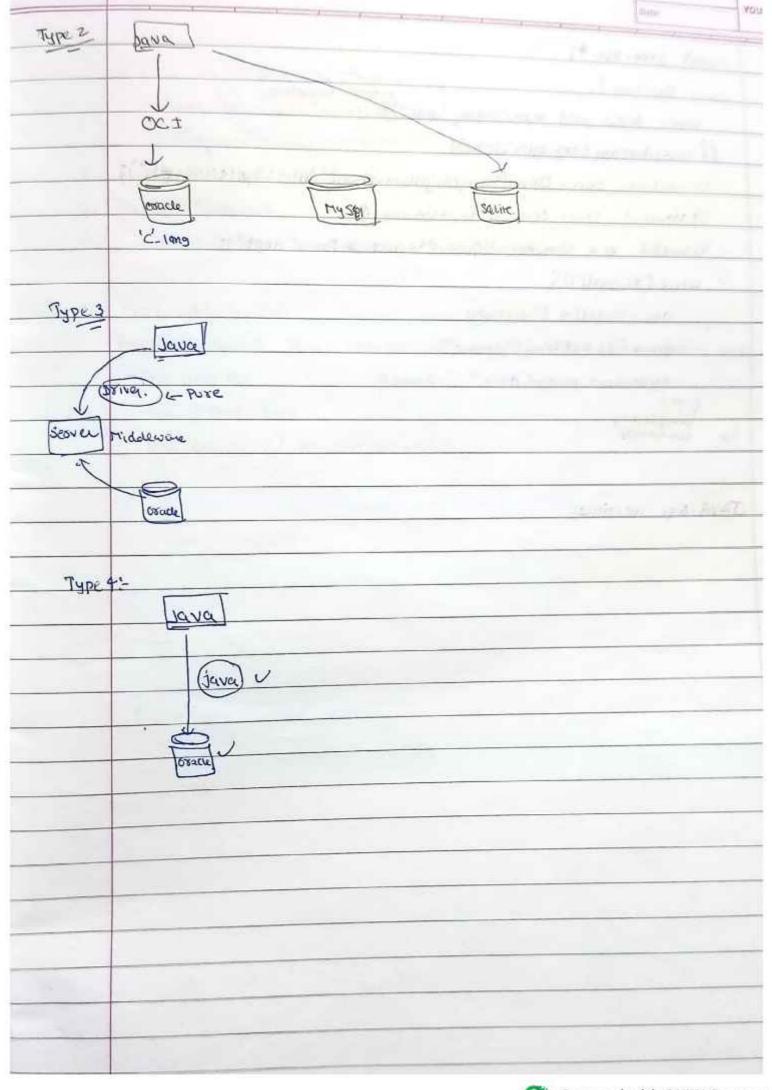
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			Date:	Youva		
	Reverse Echo Server using sock	eta num		1		
	Client	Serve	VA.			
			35 = new se			
	Socket st= new socket (12, 2000)					
	îs	← os	t = 89 accept	() 9		
	03	→ is				
	Kiyb B					
	impost jewa.net.*;					
	import java.io. *;					
	public class ReverseEcho?					
	public station void main Cstring[] args) throws IOException ?					
	Server Sock et SS = new Server Socket (2000)3					
ect white	Socket Stk = SS. accept();					
od opin	PrintStream ps = new PrintStream (Stk.get OutputStream ());					
200		Class Client?	(1)1	2		
_	String msg;	public 3 tatic ve	and many (Status	ung		
-	StringBuilder ship is	socket Stk = new 3				
-	909	BufferdReaden Keyb= -				
-	9	Buffered Reader -	- (Heave Tills	a chieva (54)		
	Sb. zeverse() ~	Printstorum				
	vnsg = Sb. to String();	String wags				
yead, p		do ? mag = keyb. 81	endline();			
toring to	II Ps. pointln(msg);		CODE INC. 27			
	I while (Imsg. equals ("dne"));	msg = bo. readline				
Ψ	Ļ					
Ψ	}			" + m 90);		
φ.	3			" + m 39)3		
Ψ	3			." + w3g); ;		

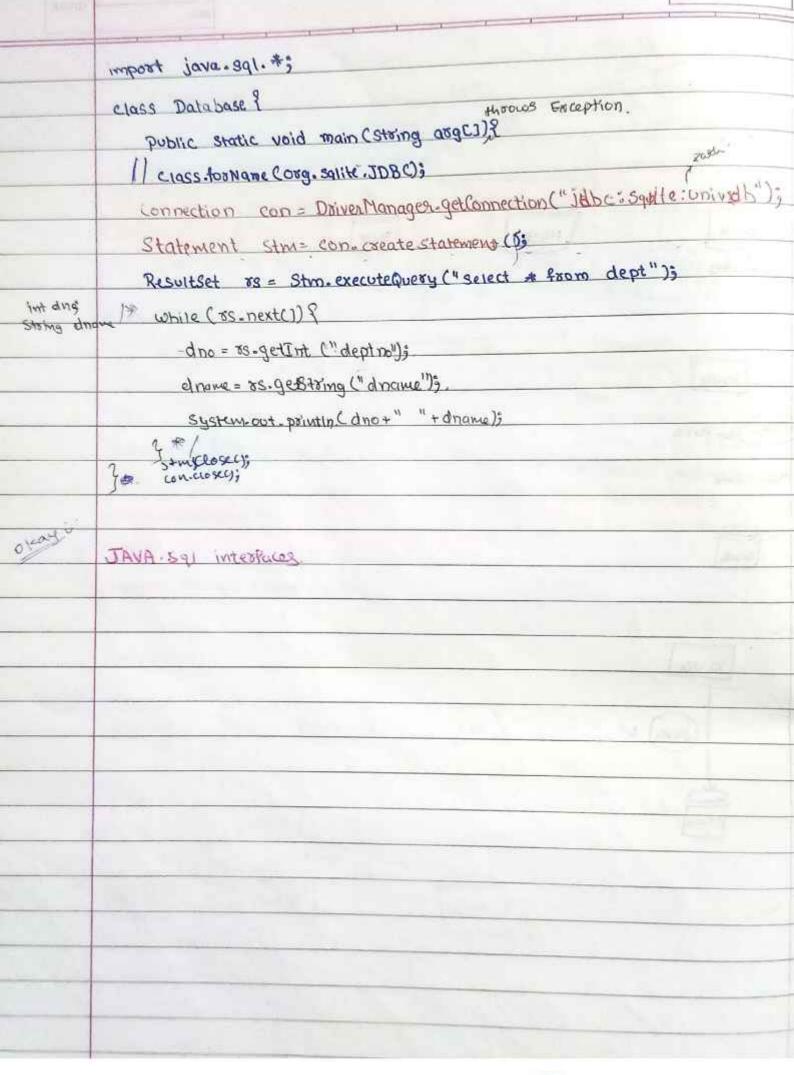
		Page to	7
	Datagram Revense Echo Server Using Socket	tions	700/vix
Datagram!	ocket Socket	1 1 2	
Datadzam	Packet		
7			
	import Java-net.10;	Casal	
	public class Datagram Client &		
	public static void main (string[] args) throws	Exception ?	
	Datagram Socket ds = new Datagram Socket (2)	Without Cold Coldy TH	BY SELLIN CLASS.
	String msg = "Hello";		
	DatagramPacket dp= new DatagramPacket (wsg.g	etButes(), wisq.	Pucific()
Sen	Defined	hessiget Byllow	
	Lade ds. send (dp);	3	
	Elesorated was Eld and		
(eccining)	dp = new Datagogufficker(Dx1024);	κ.	
	ds. receive (dp)		
	msg = new String(dp.get Data())-toim();		
	System, out pointin ("From Server" + MSg.)		
		37.25	à la
	ds.close();	I CONTRACT	
	3 0	WWW.STITCH	
	Gass Sexuel &	511.5	
	P.S.V main (String[] asgs) throws Exception { Datagram Scelet ds = new DatagramSocket (2000);	a-adding a	30
		2 4 4	
	receiving code	11 10 200 17	
	getting.	y x non	
	springBuilda Sh = new StringBuilder (MSq);		
	msq = Sh to string ();		
	sending code		
	ds.c105e();		
	3		
	Y		



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January .			Page No.:	AAAAA
	DDL DML Q	very.	Do	L
1.	No. of the contract of the con	select	saro nomb	
2.	DROP 2. DELETE	from		
3.	ALTER J. UPDATE	where.	I Destinate	
4.	TRUNCATE	THEFT		
5.	RENAME	11 11 11 11	of program	4
	Data Type of squite	91		1
	NULL			
	INTEGER	USA.	_	
	REAL FLOAT INVINERIC. (5,2)			
	TEXT String		[874]	
	CHAR / VARCHAR mage	W1 188	1-99/	-1
	BLOB Binary Large Object Video Audio	1140	18/18/18/18/18/18/18/18/18/18/18/18/18/1	
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Total State		M T W T F Page Hall Date:	S S
	Statement		
	St m = con . coreateStatewart ();		
	Stm-execute Query C"Schect * from storbouls"); Stm-execute Operate ("DTU");		
1,	Statement		
	Prepared Statement		
	CollableStatement. "- involving stored procedure.		
2.	Prepared Statement		
	Prepared Statement Stm = con. prepare Statement ("Select * 100)	n Student when	e cleptno=3
	int dno= 20;		
	Stm. setInt (1:dno); Stm. execute (); Stw. executeQuery();		
-			



			M T W T Page No.: Date:	YOU'VA	
	List:	Set:-			
	intexface list extends Collection	interface set	extends collect	ion .	
	add Cint index, Ee)				
	addAll(int index, Collection (E7 e).				
	remove (int index).				
	get (int index)				
	set Cint index = Ee)				
	sublist (int faom, int to).				
	index Of Cogect of.				
	(ast Index of Cobject o).				
	Led Therator ()				
7	listIterator (int index).				
1 #					
/	interface Queue extends collection.				
	odd (Ee).				
	poll() null				
	remove() throws who extensive reption.				
	- peek() must	No.			
	element () throwns NosucerErement Except	ton			
10				- 4	