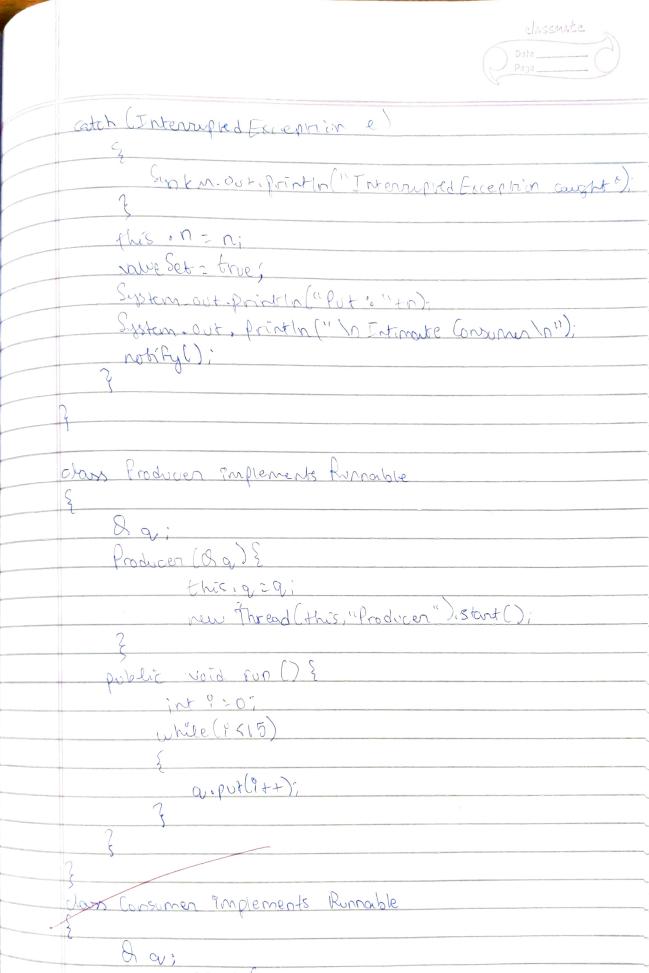
Dote 13/2/24 LAB-10 -A-Demonstrate interfrogen communication and deadlock class a gut ni boolean volueSet 2 false; Synchronized Ent get () while (value Set) trys System.out. printly (" In Consumer use ting In") catch (Interrupted Exception e) System-out-println ("Interrupted Exercin cought. System. out. Printla ("Cout: "+ n); value Set = false; System. out. println ("\n Intimate Producer \n"), nothy (): Synchronized void put(let n) while (value Set) System out-printen ("In produces was trong for") il tian



Consumer (Ba) ?

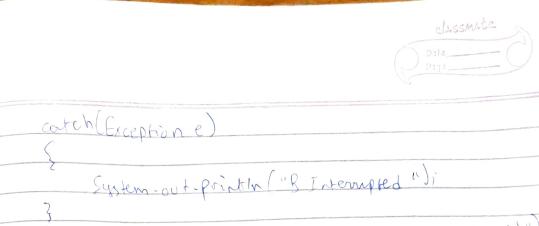
this : 9 79;

row Thread (this, "Consumer"), start();

Public void rund int ? - 0; while (ills) get r=q.get(); System-out.printin("Coronned:"+r itti clain PCFixed Public static void main (String arop []) Sarren al); new Producer (a); new Consumer (9 System out Printin ("Prem Contract C to Stop,"), Output: Pren Control-C bo stop Put ", 0 Internate Consumer Proben wasting Intimate Produces

		classmate
		DataPage
	Intimate Consumer	4
	Produces waiting	
	consumed: 0	
	not.	
	Intimate Producer	
	consumed !!	
	Put : 2	
	Intimate Consumer	
	fromen waiting	
	Cost : 2	
	Entimate Produces	
	courant 9. 5 g	
	Put "03	
	Intimate Consumer	
	Producer wairing	
	Got: 3	
	Intimate Producer	
	consume d: 3	
	Put 14	
	•	
(
	1/14	
$\frac{\sqrt{2}}{\sqrt{2}}$		
\5	Tut works cousoners	
	Cost " i 4	
	7 12 0 .	
	Intimate Produces	
	Conned: 14	
7		

b) Inflementing Deadlock Synchronized void Poo(Bb) String name - Thread. corrent Thread ()+ get Name () System. out, Printle (name + "entered A. Goo"); Thread . sleep (1000): catch (Exception e) System.out.println ("A Interrupted"); System-out-println (name + "trying to call Below) void last () System out frintly ("Invide A. Last"); Synchronized void bon (A a) Staring name - Throad (corrent thread () - get New! Suptem. out. printly (name they tentered B. ban"); try & Thread . Sleep (1000); }



System out printle (Name + " trying to call A. last ()"); a. last ()i

System. Out. Println ("Inside A. Lant");

down Deadlook implements Pennable

A a = ven ACT.

B b = new B(): Dead love ()

Thread, corrent Thread (), set Name (" Main thread").

Thread bo new Thread (this, "Racing Thread")

b. stort().

a. foo(b);

System out- Println ("Back in worin thread")

Public void run()

t. barla);

System, out-printly ("Rack in other thread");

public static boid proin (String orga [])

new Deadlock!

-

Output: MainFhread entered A. Goo RacingThroad entered B.bar MainThread trying to call R. last() Invide A-bast back in monthread Rocing Thread trying to call About!

Inside A. Last Back in other thread