13/03/24 SURYA Gold LAB - 10 a Demonstrate Inter Proces Communication class 87 boolean value Set = false; Synchronised int get () f. while (! valueSet) System - out prisit ( " n Consumu Waiting"). } catch & Interrupted Exception e) { System · out · position ("In Interrupted Exception (aught"); System-out-point(n ("Got: "+n)") valueSet = false; System out printle ("In Internate Producer"); notify(); zehvin no synchronised void put (int n)? while (valueSet) /System. out. poisitin ("\nPocoluce Whiting") 4 coutch (Interrupted Exception e) { System out purtle ( "In Interupted Exception caught"); this n=n; valueSet = time;

System · out · pentla (" Put: " + n).
System · out · pentla (" Intimate consumer"); class Poroduces implements Runnable & Poroducer (Q q) & this · q = q; new Thread (this, "Poroducer") - start(). public void sup () } int (=0. while (i KUB) { are put ((++); class Consumer somplements Runnable & Consumer (Q q) { this og = g; new Thread (this, "consumer") & Start (). public void sun(){ But 1 = 0; whele (ixp){ int or = q. get(); System · out · println (" consumed:"+x).

Class PcFixed &  public static void mais (Sturg args[]):  Q q = new Q();  new Peroducer (q);  new Consumer (q);  System-out-paintin ("Press contal C to stop)  3	フ
public static void mais (Sturg args[]);  Q q = new Q();  new Producer (q);  new Consumer (q);  System out prisol ("Press contal C to stop	
new Peroducer (q);  new Consumer (q);  System o out o persol (n (" Preus contal ( to stop	S
new Peroducer (q);  new Consumer (q);  System out o persol (n ("Press contal ( to stop)	
System · out · poisof (n (" Peers contal ( to stop	
System · out · point ( " Peers contil ( to stop	
3	2)
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OUTPUT:	_
The state of the second	
Put: 0	
Got : O	
Put : 1	
Got: 1	
Put : 2	
Got: 2	
Put; 3	
Got: 3	
Put '. 4 60t °. 4	
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Date\_\_\_\_\_Page\_\_\_\_ 12/2/24 LAB-10 b Demonstrate Deadhock synchronezed voice \$00(Bb){ Stern name = Thread · wowent Thread () · get Name);

System · out · pointle (name + " entered A · foo'); Thread - Sleep (1000); 3 catch (Exception e) {

System-out-println ("A contensupled");

2 System out pointle (name + "trying to call Bo (ast ()"); bolasti) Voice last () {

System · out · pount ( " Inside A · Cast");

? osynchronized void bar (Aa) { Stierng name = Thread. cuoixent Thread. System. out. puntle (name + "entuce B. bar"). Thread-sleep (1000); } catch (Exception e) {

System out : powsitin ("B Interrupted");
} 3ystem-out paintle (\* name + "tuping to call 2 a · last (); A · (out ()");

	SURYA Gold  Date Page
	void (ast ()?
	System · out · println ( " Inside A. last")
	}
	.5
	1 7 21 11 8 -1 Dunnahlas
	class Deadlock umplements Runnable &
	A a = new A(); B b - new B();
	Deadlock () {
	Thread . Current Thread () - Set Name ("Main Thead
	Thread t = new Thread (this, "Rawing Thread
N.	t. start ();
	a. 100(b);
- N	System - out - purit (n ( Back in main thread").
	3
	public void oun () {
	System out . puntle ("Back in other thread").
	2 System of the state of the st
	public static void man (strong args[]){
	new Deadlock ();
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	3
	Profession R. Villiam College March Street, St
	OUTPUT:
	Mainthuad entered A. foo
	Racingthreed entered Bobass
	Racing thread trying to call A-(ast ()
	Inside Actast
-	Back in otherhead
6	Main Thread trying to call B-last ()
22	Back on main thread
1	The state of the s

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