Lab - 10 (10) Domonibule Sades Proces Communication @ JPC dass Q ( boolean value Set = jalse; Synchronized int get UK while (! value 3et) System. out printly (" in Consumer waiting (n"), I cotch (Interrupted Exception e) ¿ 3 System.out. printle ("Soutenry fed Exception caught System. out. printen ("yot:"+1); Value Set = false; System. out . println ("In Intimate Brochreen ") notify (); gretum n; Synchronized void put (int n)? while (valueSet) System ord printer (" in Procedure waiting in" wait (); I catch (Interrupled Exception e) ( System. out println( 5 Interrupted & Exception this n = n; value 3et = tome;

System. out . pountle ("Put:"+1); System. out. printint " in Intimate consumon. notify Us class Producer Amplements Runnable Procedutor (Q.g) ( new Thread (this, "Procedure"). start(); public void num () & int i = 0; while (123) } 9. put(1+1); Class consumer implements Runnable ( 00 Consumer (OS 9) ( This . 9 = 9; new Thread (this, "consumor"). Start (); public void num () { int 1=0 While (1 < 3)x int 8 - 9. get (); System. out. println( "consumed; "+8);

	Page
	class PcFixed <
	public static void main (String angres)
	8 9 = new acis
	new Produces (9);
	new Consumer (g);
	System out println ("Press Control - ( to stop")
	3
	9
	output
	put: 0
	Intimate Custom Consumer
	produces walling
	got:0
	Intimate Produces
	Put = 1
	Intimate concumer
-	Producer waiting
	consumed; 0
	ejot:1
	Entimate Produces
	Pert = 2
	Intimate consumer
	Poorture worthing
	(majorned ca)
	yot: 2
-	Intimate Produces
	pates
	Intimet Consumer
	Produces waiting
	U

Deadclock Synchronized void foo (B. b) x String name = Thread . auvent Thread () getween System. out. println (name + "contened A. foo'); try ! Thread. sleep (1000); catch (Exception e) ! System. out. println ("A Interrupted"); System. out. println (name + "trying to call Blut b. last (); void last () ¿ System. out. println (" Anside A. last"); class B { Synchronized void ban (A a) ( String name = Thread. current Thread W. get Namely System. out. printly (name + 50 entired B.bor 3); thread. sleep (1000); catch (Exception e) & System. out. printle ("B interrupted"); System.out. println Crame + " trying to call All

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	word last in
	System. out. printen (" 4
	System. out. printen ("Inside A. last");
	class Deadlock implements Runnable &
	B b = new B(); Deadlock () ?
	Thread current Thread (). Set Name ("Main Harad");
	Thread t = new Thread (this, "Racing Thread");  t. start ():
	a.foo(b);
1	thread.
	System out println ("Back in main thread");
	3
- 1	rublic void run () ¿
1	b. ban(a);
	though.
	System out printen ("Back in other thread");
	public static void main (string wiges)? new Deadlock U;
	new Deadlock U:
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	RacingThoread entered B ban		
	main Thouad trying to call B	last()	
	Amside A. last		
	Back in main thread		
	Racing Thread trying to call !	A. last ()	
	Inside + last	Andrew Hills	
	Back in other thouad		
4			
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	Children with an Arrest of the A		
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