13/02/24 PAGE NO : contd dab Program 10 class a En to boolean valuesetz flase? synchronized RA get () while (I valueset) try E System out printla ("consumer waiting"); ic) + Epa catch (Interrupted Exception e) System. out . printer ("Interrupted Exception caught"1° System. out. puntla ('eyote" +n); value Set= jakes System. out - puintln (" Entimate Producer"); not pyer; return no synchronized void puttint n while (value Set) System. out. println ("Producer washing"); try & weit(); Galary Miss 56 Catch (InterruptedException e)

	DATE:
	E antermoted Exception
	System-out-prental "8 ntermpted Exception
1	caught");
	94
	this.n=n:
	a LO (FOX 2
	System-out-printing "Intimate consumery:
	noky():
	3
	3
	Class Producer emplements Runnable
	٩
	& q°,
	Producer(QQ)
	£
	tous q = q's
	new & Thread (this, "Producer"). start();
	3
	public void unc)
В	&
	Pn+ 120;
	while (icis)
	£
	q.put(i++);
	. %
	9
	9
	class consumer implements Runnable
	•
	g q °s
	Consumer (Q q)
	5 (

PAGE NO : tues . q = q. new Janear (this, "consumer"). Startes: public void unos Pat 9=0; while (ic 15) Pot 1= q · get (); system. out. puntla ("consumed" tx); itt's class PCFExced public states void mainestuing augues) Qq=New Q(); new Producer(9); new consumer(q)"; System. Out. pulntly ("Piers control-(to Abp."); output Press control-c to stop. PUL & O Entimate consumer en resultante

PAGE NO: DATE: got: 0 Endemate Produces Put 31 Entimate consumer Producer warking Consumed: 0 got:1. Entomate Produces (onsumed:) Put: 2 Entimate Consumer Producer wasting got: 2. Intimate Producer consumed: 2. Put: 3. Entêmate consumer Producer watkry got:3. Entimate Producer Put: 4. consumed:3 Put : 4 Intimate consumer produces wasking got? y Intimate Producer Consumed & u Put? 5 Entinate Consumer Roducer wasking e10435 Elemente Producer conumed :5

PAGE NO : job Dead locks DATE : day A & synchronized void polk b) String name = Thread. Carrent Thread () get Nemel): System-out. printer (name + "entered A. poo"); S thread. Sleep (1000); catch (Exception e) Sustem-out prenting " A Interrupted "); System out prenty (name + "taying to call B. lasto"): b. lastes: rold lasta System. Out printincu Enside Aslast"); 2 claus B synchronized void bar(A a) String name=Thread. consentThread(), get Name(); System. out. pulato (name + "entered B. bar") try & XX MES 50 thread. Slee p(1000)?

PAGE NO : DATE: catch (Exception e) System-out-printen ("B Interrupted"); system. out printer (name + " taying to cay A. lastcy's; a laster's void (astc) System. out. prentla ("Inside A. (ast"); class Deadlock Emplements Runnable A a z new ACI; B b= new BO: Deadlock () Thread. current thread (). Set Name ("Mainthread" Thread to new Thread Cturs, "Racing Thread"); + , staut(); a. yoolb); System. out. pulath ("Back in main thread"); Unus biou silded b. bar(a); System. out. punth l'Back on other threadil Dublic state used maincetung augsess

new Deadlock (); output Main thread entered A. poo pacing thread entered B. bay. trainthread trying to call B. laste) 3 zurde A. last Pacing Thread trying to call A. last()3 Back in main thread. Roside A. last Back in other thread. 1axy M33 56