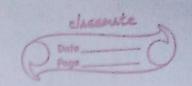
6/2/24 1 100 1 1000 Side Lab. Prgm - 10. Demonstrate inter procus communication and deadlock. 13 4 4 10 49 , 27 class of int n; boolean valueset = false; Synchronized int get() [
while (! value set) while (! valueset) Eystem. out. printin ("In Consumer walting In"); wait (); 3 carch (Interrupted Exception e) ? System. aut. printin ("Interrupted Exception caught"). 3ystem.out. printin ("Got: "+n); value 8et 2 Jalse 4 System. out. printin ("In Intimate Producer In"); return his Wellar of Enga Synchronized world puit (int in) { 4 20 while (valueset) system. aut. printin ("In Producer waiting in"); wait(); 3 catch (Interrupted Exceptione); caugus ");
3 System. Out printin ("Interrupted Exception caugus"); this on zn; value set z true;



system. out printin ("put: " +n);101 system out printin ("In Intimate Consumerin") class Producer implements lumpable? ga; Produer (89) { tuis . 9 29% new Threads (Kine, public word run() 2; int 1 20; While (1215) & 8:400 g. put(1°++); class Consumer Propreneuts Runnable ? Consumer (Q g) ? this . 9 = 9; (trus, "consumer"). start(); Public word run() { int 120; while (1° < 15) & int r- q. getti; Sysku pat. printer ("consumed:"+8);

syskur out printin ("Prox Control-C to stop"). (200 min (89) 8 Put:4 OP: Put:1 reagotily and Gotil. Put:5. Put: 2 40+15- One Star Side Got : 2 Put 13 GOT:3 9- PUR(P++). Prince Blace side

classonate 2 Deadlock. CHARGER ABOUT "Jans class A synchronized word for (Bb){
Sming name = Anread; current turead(). get Name(); sop (name + " entered A fois); Thread · sleep(1000); " catch (exception e) tured to men Tracod (we i their Sop ("AInterrupted"); Sop (Hame + " rrying to call B. last()"); void last () & ferror bigg selling Pop ("Inside A-last");) rod d class to pains , Som Blau subte salding Synchronized voir boir (Aa) is a and String name = Thread. Current Kircad(): getwanie (); 80p (name +" Entered B. bar"); turead, suep (1000); red & biritua large wind when Catch (exceptione): tolog 1 color · Sopt B. Interrupted"); Pening juncad intig to col SOP (name + " rying to coil A : (ast 15"); a. Last () ; 300

void par UE sop (" Impole A.lout"); a) roj biou bestrombous Clair Deadlock Emplemente Runnable. A hardry " + www.) Aaznew'A(); Bb 2 new BC); or good . boogs! Deadlock () 2 thread current mread () set name (" Mainhaid turead t 2 new Thread (this, " kacing hiready t. Start Okjiquer dura") 908 a. poor(b); 4 + 4 + 4 + 2001) 908 sop (" Back in mainhread!") public Gold run Of 30 4101 500 b. bar (a); 1201.4 obsers 11) que SOP (" Back in other thread") publie static word many (string arg ())? new Deadlock Dyod more opproses String name = Thread-Current rangacit 80p (name + " Extend B. box "). Ofp: nainkvread enkired A joon Revery hureal entered b'bay Mainthread trying to lead bilaits) Inside A-last back in paintread :... Receip huread myry to call it lastes Consultation of mon 100 back in Ohier turead ;