Curtom Thread clas clars CustomThread extends Thorough Shared s public Eustom Thereof (Shared & Storing str.) super (stor); this ">= s; start(); public Void sum) 1. Sop ('Thread Sumy 10, 20 = "+ & add (10,20);

class CurtomThorad1 extend Thorad Sharod s; Public Cistom Thorad 1 (Shound S, Stering ster) Super Later); this D=5) Public void 91 mm) 1/Sop ("Thread Current Thread) get King (20); [100, 100.)) class custom Thought Extend Thried Showed si) public auxlan Thread 2 (Shared &, String str) Juger (str.) this (D=D) start (1)

Void public Void hund) S. show (Thread. current thread-getreme();30); 1150p (Throad S xmg 1000, 2000 2'4 & cold (1000, 2000); Run Sync . class class Runsyne BDAM). Shared St = new Shared!; Carton Thread t1 = new Curtom Thread (st, "one"), Curtom Thread Iz = new Curtom Thread St, "two"); Custom Thod 2 &3 - new customTheed 2 (st, 'three'); Intervie Question anabove implement of Sync Eynchronized Shoul threads >- Shoul) thread 2 D. Shaw () Syndronized should

a synchronised clarbs on Thered. StringBuffer is String Builder 11 · If a class is synchronized that means at a time only one thread can access that the object of that class y all the threads are having same object of that class. How do mate our own class Synchronised If you want to make you crur class syn-- Chronized then make all the methods of that class Synchronized.

Condition-2 Shew Horead 5-shoul) thread 2 Shoull) D. Shew (() . Roth can run at samo lime. Condition-3 static synchronised shoul) theread 1 Shared . Shoul) Should thread 2 Shared About) Stopped 3 Shored. Moul) secutes a stone fall of

John Trans

Rula In Jana every class is also having Condition 04 thread: Shared shoul rtatic synchronisal thread s. show() entry o One-by One Intere & Static Synchronised method, lattic always achirod on a

clars, matters, whather it is called by the class mame as by the objet Condition-5 st Shared. Shoul) 3 sta synchronisol void shoule) Theread? S. Showl) · Buth escente tegethe.

ALL DE

Another Method to Achine Synchronization
(OR by
Synchronized Block synchronized Void shoul) synchronogall

Diff 5/w sync Method 4 block-Sync. Method some block DIn care & synced make 1 In care of synced block, ud make whale method particular postion of synchronized. the methed syncld I ather them Whale method. a lock con the advised 2 Lack com be actived on on solfed 2) In case of syndhronged mothod, lack is always eichived on a current OFn cesea sync. block, ldck can be achived on any object. object. O graphedis also used to make object syne. Ony class

Program (insert in Shared-class) Mosed Show 2 (Storing is, inta) Syncher Sop("relarting in method" + 1) Dynchromized Whis) System.out. println("starling in block"+ Thread. Sleep (2000); Cotch (Exceptione) Sy Sop ('exid from block' + st" "+xt"); Temp t = new Temp(); You'd show 3 (Stains s, int a) Sop ("intenting in method" + s);
Synchronized (t) t- dil Toh Pagallai (s)

class Temp vaid dilto Pagal Hai (String s) Sop ("starting has mor hoon in ditahPagathay+" "+s); Thread. sleep(2000) Catch (Ecception C) ?>
Sop("ending from detTohPegal Hai";" "+

· Suspend() A Boresume () Tooks Depricated . It a nunring thread it goes to pool for a injuite time. Why suspend() method I has been deportated whereon we call suspend method on any thoreal from the synchronized method on synchronized block then one dead took will be created.

Program: (To be Addo in Shared class) Synchronized void shows (Storing s, in a) System-Out-println ("starting immethod"
+> 0+" "+x); Thread. Cwoon Thread(). suspend(); Sop ("esat from mothed"+>+" "+ 2);

Now, We have alternate for Suspend () 4 resume · waite in addition to siemone thread from processes cycle also removes · Suspendl) method only releases approcess-· wait method releases both processor cycle and a lock from any thread.

wait () / notify () / notifyell [methods of Object Program Shared Java) clars Shared int plag =0;
Int data =0;
Synchronized public you'd submit() Thread sleep 1000); Cotch (Except e) {}

data = 10; Sop ("value submitted; mostifición notifición; synchronized int withdraul) ilaf (160= =0) Sop ("sending into wait block"):
wait(); Cat ch (Exception e) {} noturn data; Thread 1. jana Theread 1 extends theread Shared D. Thread 1 (Shared s, String str) Super (Str) this - > =

slartU) Public Vaid Hund) Sop (>. withdraw()). class Thread 2 extends Thread. Thoreadel Shared & String str) this of signature;
start(); public vaid run) D- Subait ();

11111

| P AS AS AS ASSAULT |
|---|
| PunSyne- Java |
| |
| Class Runsync |
| 3 |
| PSVm (Storing SCZ) |
| Shared st=new Shared(); |
| Theread? t1 = new Theread? (st, "gone"). Theread? t2 = new Theread? (.rt, "two"). |
| |
| |
| |
| Deadlock |
| Cep from paremons des |
| |

î,

.

. 1

1

Another Type of Deadlock rynchron jed (oz) >ynchronized 01) Threed sleep (1000) Theread. Neep (1000); Synchronged (01) ryncheoniza (02) Devollede