Assignment NO:5 AS
Ain: Implement token based mutual Exclusion Algorithm.
Took & environment: Java Runtine Environment, Java IDK.
Theory:
mutual exclusion is concurrency control property which
is introduced to prevent race conditions. It is the
requirement that process can't enter its critical section
while another concussent process is currently running.
love as returned some dynamic of the blands also was to
Single computer system: momory of other resources are
Single computes system: momony of other resources are shared between different processes. The status is easily
available in chased memory.
Eg: semaphore
Distributed system: neither have shared memory nor
physical clock. To olininate this mekage passing is used.
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	Requirements of mutual exclusion Algorithm:
	No deadlock:
	Two or more site should not endlessly wait the
	No starvation:
	Every site who wants to execute cuitical exchional
	Every site who wants to execute critical sections get an oppositunity to execute critical section while other sites are executing critical section.
	Gach site should get a pair chance to execute without section. Any request should be executed in the order they're made.
	they're made.
	TO COMPANY TRACTOR III SAR
	faut Tolerance: Recognize failure without disrupt
	solution to distributed mutual exclusion:
-	As we know shared variables or local cornel
	can not be used to implement mutual exclusion.
1>	Token based Algorithm:
-	A unique is shared among all sites. 1) site has unique taken, its allowed to extend
	If site has unique taken, its allowed to be
	cuitical section
	This approach was seq no to order reg for a section.
	Each request contains sequence no.

	Each requests for raily as
	tach requests for critical section contains sequence no. This seq no is used to distinguish old to current request.
	algebrat regulation distinguish old to
	movem requise.
	This approach insures mutual exclusion as token is
	unique.
0	Fg: Suzuki-Kasaniis proadcast Algorithm.
	10.500
	Conclusion: House Toron Pina aconthon aclusius
	Conclusion: Hence Totan king agonithm achieves mutual exclusion in distributed system by creating but of network of processes.
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	bus of nerwork of processes.