

## LP-1 Assignment.

Name: Shubham chemente Roll. No. 31118

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anoud &	Title Ring & Bully Algorithm
	Harry Algorithm
#1 10	Problem Statement
	Similation of election algorithms (zing & bully)
	Write a program in c/c++/Java/ python.
	learning objectives
	15 To leasy & understand election algorithm
	2) To implement & anulati zing & bully algorithm.
	Hardware & soffware Egunement
	Windows to 64- left
	Intel core is 8th gen 4-core cpu
	8GR RAM, 512GR SSD.
	Theory.
	of processes to at as a co-ordinator.
	IF co-ordinates process crashes due to some
	reasons than a new co-ordinator is silected
- bus	From other processes.
1111 g	2) Election algorithm determines where a new
	Copy of co-ordinator should be restorted
	3 Bully Algorithm:
Btank	is when any process notices that the co-ordinator
VIX	is no longer responsibility to request 16
A solver	indicates an is prends election menage to
	all processes with higher numbers



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	2) If no one suponds p wins the election of become
	Co-ordinator.
	3) If one of the higher number igniner if
bully L	takes over ps job us dove.
	West a moreow is the travel entires
	6
	0 0
	a destray of
ontie	election @ OF OF O
	8 6 8
	Heatwood & Saftwarde Registrement
	Windlers 10 64 bit
	LOS OTOTA MARKET A LOS OF
	4 July Land
	(1) KE (3)
0.0.35	Listing algorithms choose a notes how
110	Potronit man a su la social de la social dela social de la social de la social de la social dela social de la social de la social dela social dela social dela social del social del social dela
anno!	The condinator process crapher due to
	success then a new coordinates is so
	th process sometiments I still : 1
CJAN	IF process 7 genforted, it shall just send
	the state of the s
101	Them into submission.
	ν.
and and	Ring Algorithm: molhagla 1400
3 0KOV (1)	is when any process notices that the co-ordinator
7	u not functionating, it builds an election
- a Bu	message containing its own process number of
	sends message to its successor.



So AME I HOT	
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	2) IT the successor is down the sender swips over the successor is down the next number along
	2) IF the successor is down the sender swift along the successor of goes to the noxt number along the ring or the one after that until a
1000000	Thursday to the sale the
	moving itself a condidate to be elected as
	- Eventually the message gets book to the
$\left\langle \frac{1}{2}\right\rangle$	That process recognises this event when it
	our process number.
	-Ab that point the process with highest priority sends co-ordinator to & circulates once again.
	to tell the roles & gub boule to work.
	and 2000
	Croxed -6 is choosen as
	No Comme was to more with fy
	the the
	bondunon:
	In this arrighment, I have necessfully implemented
	In this arrighment, I have successfully implemented & tested / simulated the electron (zing& bully ) algorithm.
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