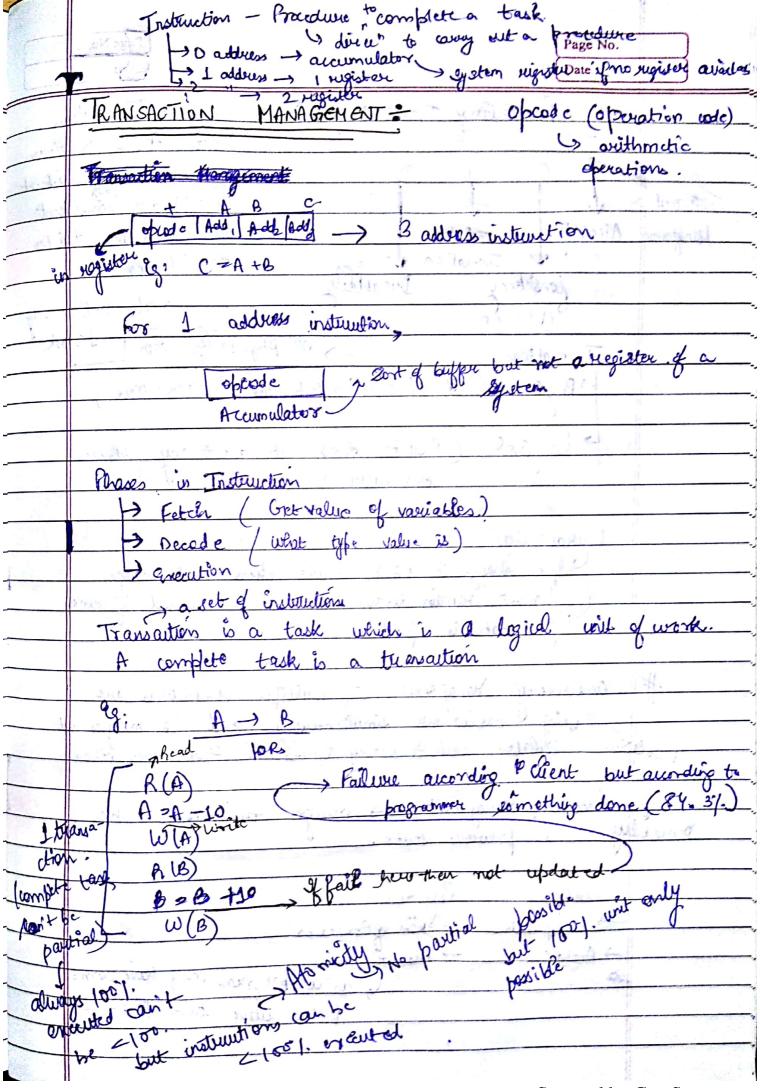
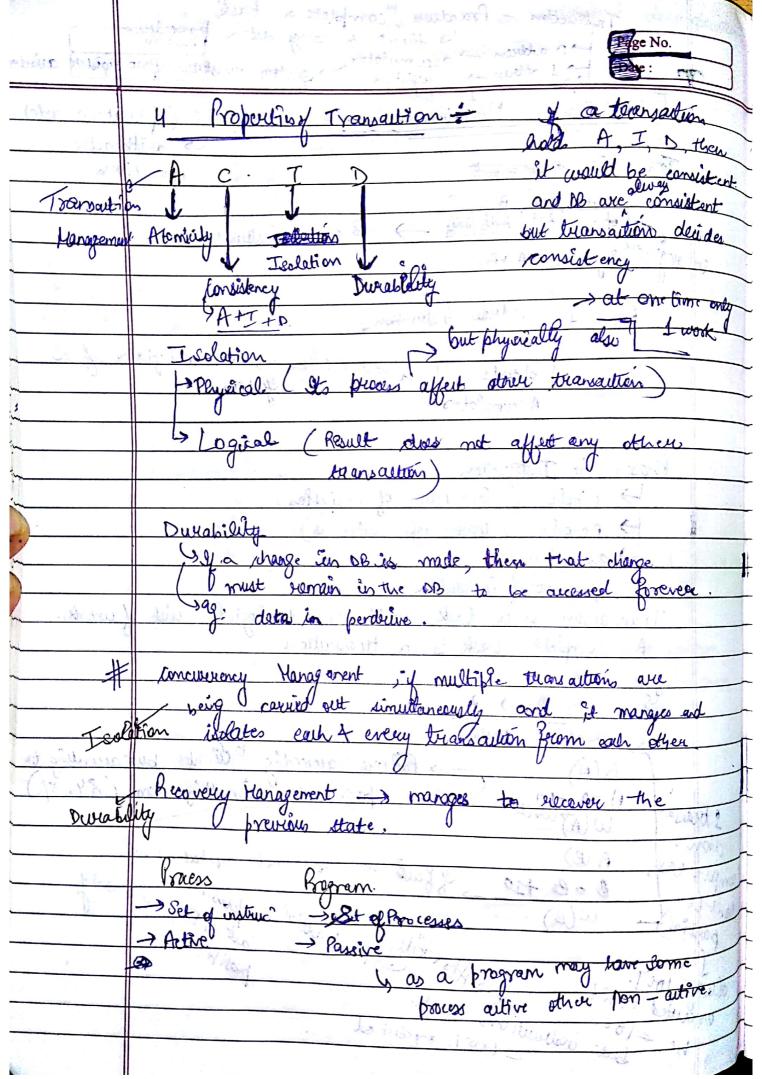
Lusless Decomposition = Non- additivé decomposition You new the tuble is ordered Date: R, =) (andidate Key toble I complete cardidate key devives some other is in a -as D identifies I, I is thumfore in De also BCNF.





	Page No.
L	Date:
	STAGES OF TRANSACTIONS
	Attonouting in a really sit of the law of
	A transaction is a small write of a program and
	They contain wereat lew level thate of wearballion is a
	database system must maintain atomicity, consistency isolation
	and durability. There are commonly known as ACID
ere de la company	Properties.
	Atomicall: This property states that a transaction must be
	treated as an atomic write for cities all of its operations
	are treated or none. There must be no state in a
	DB where a telensortion is left partially completed.
	Consistency: Consistency pare De must remain a consistent
Hilli	state after any transaction. If the DB was in a
1000	considert state before execution of a transaction it must
10.14	remain consistent gold the execution of a treasoution as
	well.
	Teslation: In a DB, where more than I transaction and
à.	being executed simultaneously and in parallel The
	broperty of is olation means that all the transactions will
	be carried out and arecuted as if it is the only transaction will affect the existence of other transactions.
	transaction in the system No transaction will affect
	the existence of other transactions.
	agica margal waller
	purability: The DB durable to the hold all its
	Patrist updates even if the section fails or mestaxts.
	of a teransaction update a data parismon DB and commits then the DB will gold the most por
	commits then the DB will gold the most you
- 1	modified data.

	Page No. Date:
, esc	STATE OF A TRANSACTION :
1 March	Active & Am & In Commence & Marketine of A. S.
	Partially Committed
	committed
	Failed
(5)	Aborted Suresful Fran
- 1 th 1 see	Committed Committed
(1)	Sommit east
Start	Active
	Dutaut Tran
-40	positio Tran
	Failed Aborted
- Mary Mary	Failed Tran aution
100	of fran auton
Car	SCHEDULE = 11 The Transfer of the Administration of the Contraction of
a *	The sales of man things to an a second
Mis	Levelalizability: multiple transactions running in a
	multiple - programming environment
719	the one other was supressed by the transmission will
2.5	Schedule: let of instructions unning in a
arts.	phronological order
	Lui of all of a luting
L	Social schedule: Whichever transaction comes
	but is executed first.
	removed the sound the sound will be the

	Page No Date		Page No. Date:				
	Transport Self dule						
	Si	S	\ S ₃				
	RYA	R(A)	Serval Non-Regial				
	W(A)	W(A)	Serial Non-Serial				
		R(B)					
	0/0	w(à)	When multiple				
leave	R(B)		observations try to				
pr	w(B)	intimuliate a	interson menon then				
eme	there process. > Non-Sucial margement						
other							
	ASC AST AND						
3	Scrializability =						
1	t. May soult	Lelo tuani	actions are being executed by the OS				
A 55	100000000000000000000000000000000000000	- bornevami	ming engranment there are possiblities				
	that instructions of one transaction are interleaved with some						
	other tran	sactin-					
	of the Allinger maker on without in the makering of						
	Schedule = 1 and a word carrier at						
	A cheomogral execution sequence of a transaction is						
	1 - Wood a superdule on the many boassans						
	in it each comprobin of a number of instructions.						
	Serial schedule: It is a schedule in which transactions are aligned						
		0 11011	that me transition is executed				
-	Man La Mont Nillan autori						
Kink							
(Since	and evid on	ne alter-	the other. This type of schedule is				
- Fresh	rolled	erial sche	dule,				
Sim		150	7 1 3				
0,1	s orger		Not possible in seculal				
			Not passed in a sure				

	Page No.	Page No.
	936	Date:
and the second		
	We take social eshedule as benchman	K.
(con	Gevery other situaling is compared to	wind
1	schedule.	CAll
Bases I - 1 4	Achedite.	
. 2	203.0	01 1110
>4	In a multi-transaction anviconment, Ebual	eshedule
# 583	are ansidured as benchmark.	
rost of an	The enecution seguere of an instruction	in the
Autobat &	transaction cannot be changed but two trea	nsalling
,	can have their instructions executed in a ever	nom ,
	fashion. This meritain does no hours of 2 to	
	mutually independent and working on afferen	
17.	set of data but in code of Aused trans	2 D Thousand
SAN E	unpridicatable. This ever - varying woult may	1- Surgine
1878 C	The DB into an invonsistent state.	57 C
20110-7	- Jue de du la comité de la comité destruction de la comité destruction destruction destruction de la comité destruction destruction de la comité de la comité de la comité de la comité de	e Turba Lina
"	To resolve this problem we allow havalles	2 early ton
	To resolve this problem we allow parallel of a transaction schedule if its teams action	ne ala
to yet	alker señalzable os have some equival	line A
insulto	eclation among them.	calles !
No.	Les suffer Ox many & orandores - de	n cit
1.	5 21 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	in injury?
Ase	a whether is soin at is when the is	3 + 1
cks	Such a way that me than william the commit	a di
	when the " or area attention confiction is a	Jank 194
1 246 1	there were the median in the state of the sail	124
L. Brut	and after the abide that I for I selve	LUBKA W
	The state of the s	0.20%
	The second secon	17.562