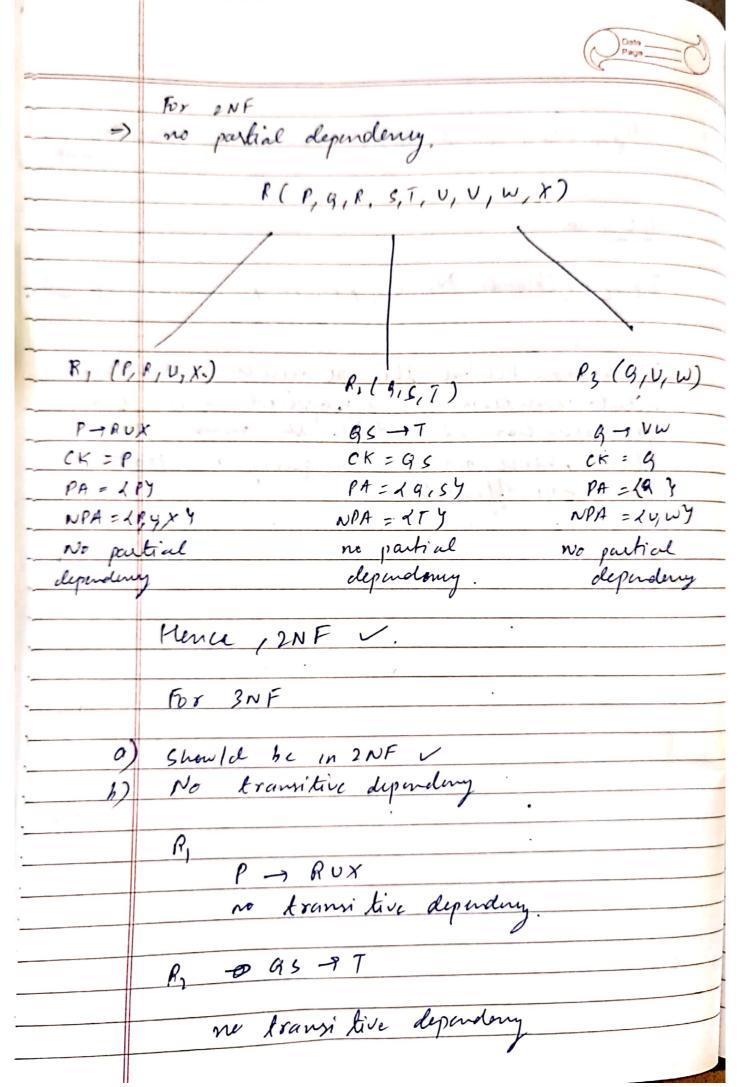
}	Ashok Malhotra		
	11/22020501		
	PBMS CZ Review Test		
No. of Concession, Name of Street, or other Persons, Name of Street, or ot			
	R = LA, B, C, D, E}		
1			
· de	F = LA -BC, C-DD, DE-A}		
	f = 111 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
and the same of th	to day 21 point me PHI of all Employ		
	unie E doun't occur or and of all Floreste		
	defindencies, the an exent at attitude		
	dependencies, & is an essential attribute		
	$E^{+} = E$		
	PE+ = DOEADC => DE 15 condidate key		
	AET = ABCED => AE is conditate king		
-	(Et = CEDAB =) CE 15 candidate by		
	BE+ = BE		
	Thurfire, Candidate Key (K) = 1 DE, AE, CE}		
-	Primary Attribute, PA = KA, C, O, EY,		
	Hailante NPA = d By		
	Non-Prinary attribute, NPA = d By		
	$0 \in \neg A$		
m	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
2.	NF X		
	R = ALDE		
	$R_1 = AB$ $(A \rightarrow C_1 (1 \rightarrow 0), 0E \rightarrow A)$		
	(A)B) (K= dAE/DE/CEY		
- 11	CK-XAY		

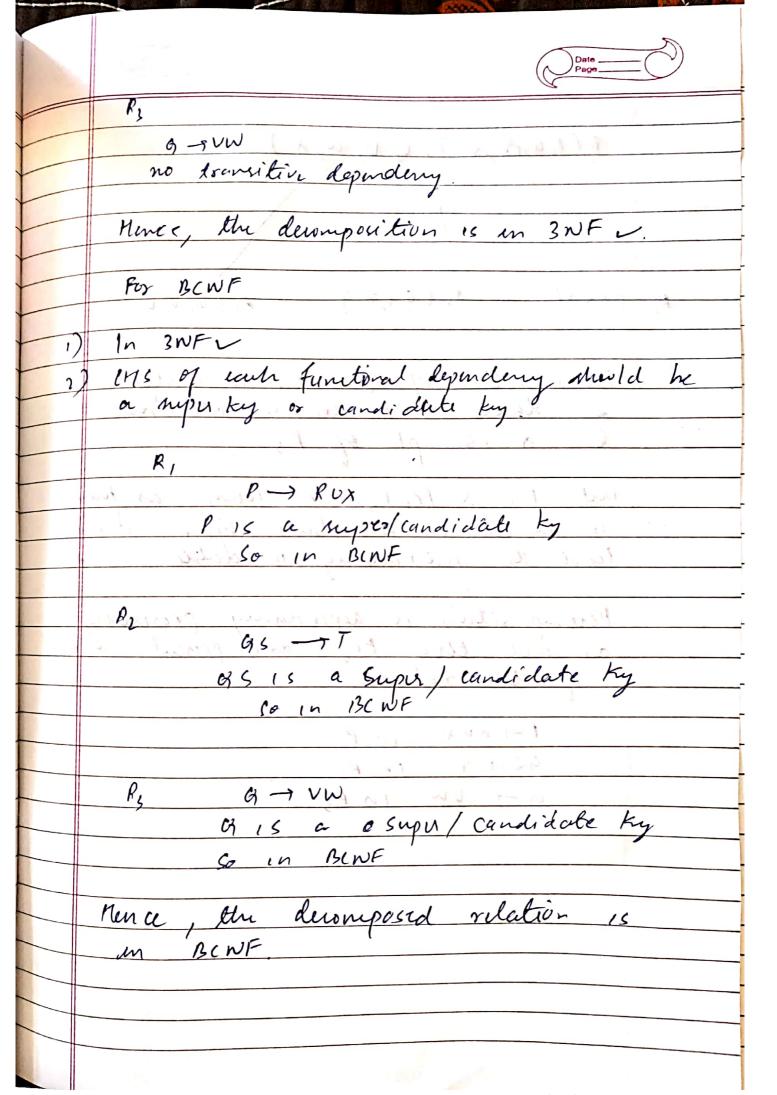


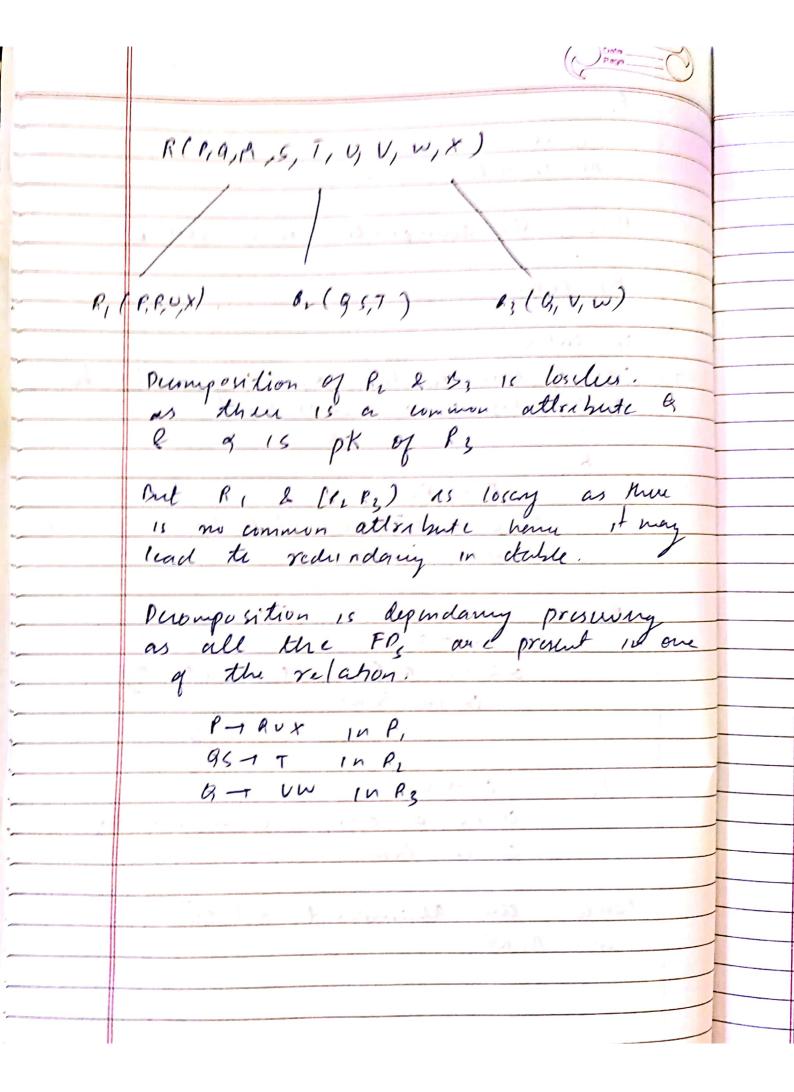
Both Table R, & R, salisfy BNF condition, so no transition dependently should exist, so both the fables are in 3NF Dependency Presuring or not FD, = fA - By, FD2 = dA-1C, C-10, DE - AY Now, if FD, UFD = FD (original) then dependency is preserved. FO, UFD2 ( and it is controlled property At = ABCD, DE+ = DEACB FO = LAABC, CAD, DEAAY on he obtained fun FD, UFD2 gnot Now, FD, VFD, = FD, so its defendancy lossless or not & For loss less a common attribute whould HUR, A is CK of R, so condition for lassless is fulfilled > Thurfore, lossless



 $R = \{P, q, R, S, T, \upsilon, \upsilon, \omega, x\}$ F = LP - RUX, Q = T, Q - VWY PG 6 d'au the executial attributer as they don't occur in RHS of functional dependency F. P PGS = PRUXGSTUW Hence the candidate kgy, CK = KP454 Primary attributes = { P, 9, 5} Non-Primary attribute = dR, T, v, v, w, xy Verfyry for 2NF P-) RUX partial dependency as RUX non-prime & P groper subset of (K. 95-17 partial dependency as I non-prime e 95 proper subset of CK. G - vw portial dependency as vw non prove & G propu. author of (k









Select & cust-name From Borrower as cust 3. Innerjoin Loan as In On In. loan-number = cust. loan-number Completed Land of where in amount > 1 lakh de contentes. E es em Exen the opening AND In branch-name = 'Axis Bank'

A STATE OF THE STA

103000 311



TI (T. c 75.c 1 f. 0 75 1 s. 0 = '11170' (f[brunk) \$ 55 (45 mch))

Optimised:

Tit-c(f(branch) Mt.c>5.c Alo) 5 A 5.B= 1117A (f(brench))

The reason behind this optimisation is, the scleet condition can be applied before the jan operation, to reduce the number of typher, hence making the query run faster and more efficient.



and executing them one by one			
and executing them one	and executing them one by one		
serial schedules	Non-suial schedules.		
	the second secon		
Schedules in which the	Il is a type of		
transactions, are created	scheduling where the		
non-interleaved, i.e.	operations of multiple		
one in which no	transactions are interlease		
transaction starts, until	The transactions are		
a sunnery transaction	executed in a non-suial		
has ended are culled	manner, keeping the end		
social schedules	regult coverest & some		
	as the sevial schedule.		
	It can be further		
	divided into socializable.		
	and non-scriptisable		
	schedule.		
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Conflict socializable sched	Conflict socializable schedule: A schedule is		
called conflict socialization	called coullist mializable it after marring		
of non-conflicting operations it can			
transform into swial schedule as well as			
if it is conflict convalent to a social			
Conflict socializable schedule: A schedule is called conflict socializable of after swapping of non-conflicting operations, it can transform into social schedule as well as if it is conflict equivalent to a social schedule.			
manual.			
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