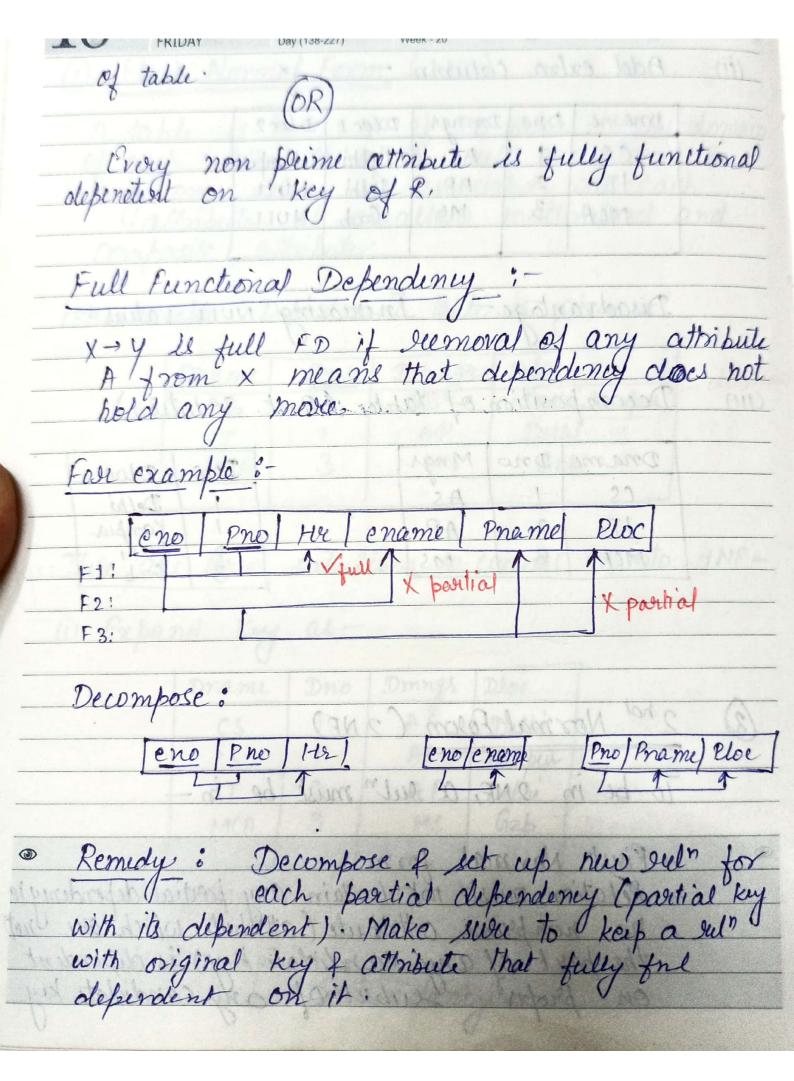
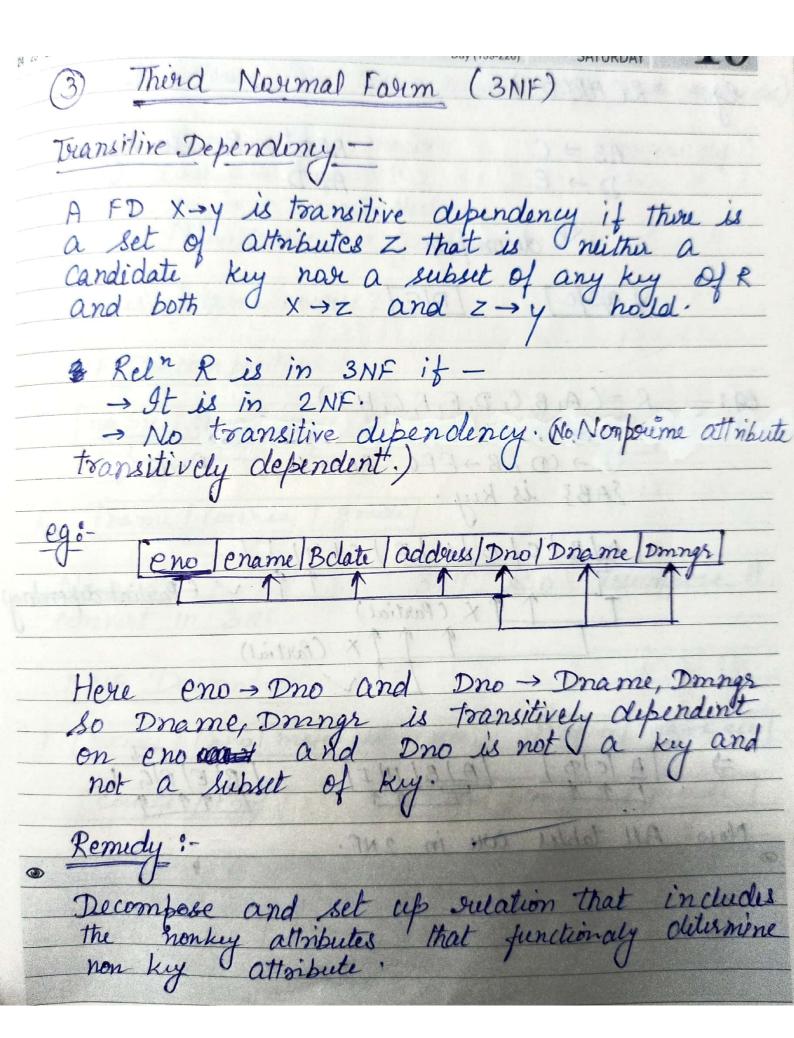
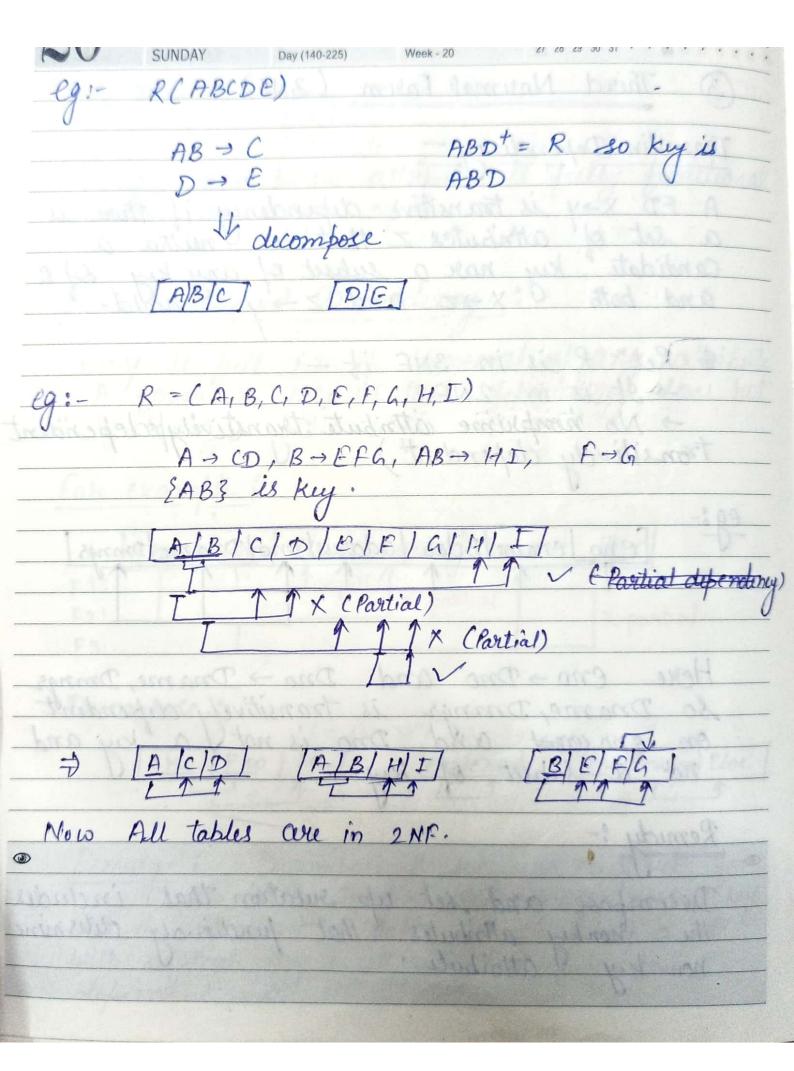
Novimal Fal	ims	HA LA DO	Koner	Maneral	divid_(i)		
					mixing the on, delition		
Thuse would	a mu	uau lu	n pri	operus à			
(1) The 1s	eslese	ioin	or no	n addit	live soin		
property	which	genr	atus t	hat the	specious		
(1) The lossless join or non additive join property which genrales that the specious tuples does not occur.							
(2) Depender each FD sul rus	rcies po	resentate	in w	hich en	sure that		
each FD	is b	resented	in	some in	ndividual		
seel rees	ulting	after o	Lecom	bocition.	District Control		
Mormal of	coms (vie u	sed to	seeduc	e seedundany devided		
in table:	Morma	dization	Jeul	is all	devided U		
into follo	wing	norm	rai t	ro gras	ed 83 co		
-> First N	Tormal	form	DNO	Drame			
- Second	That's	0 1	ME B	33			
- Third	Jank See K. C.	2Au		21			
> BCNF	100000	MARIE		The			
- Fourth	uso	2.54 10	L C	AMA			
> Fifth	n i	v					
U		TANK W. GR					

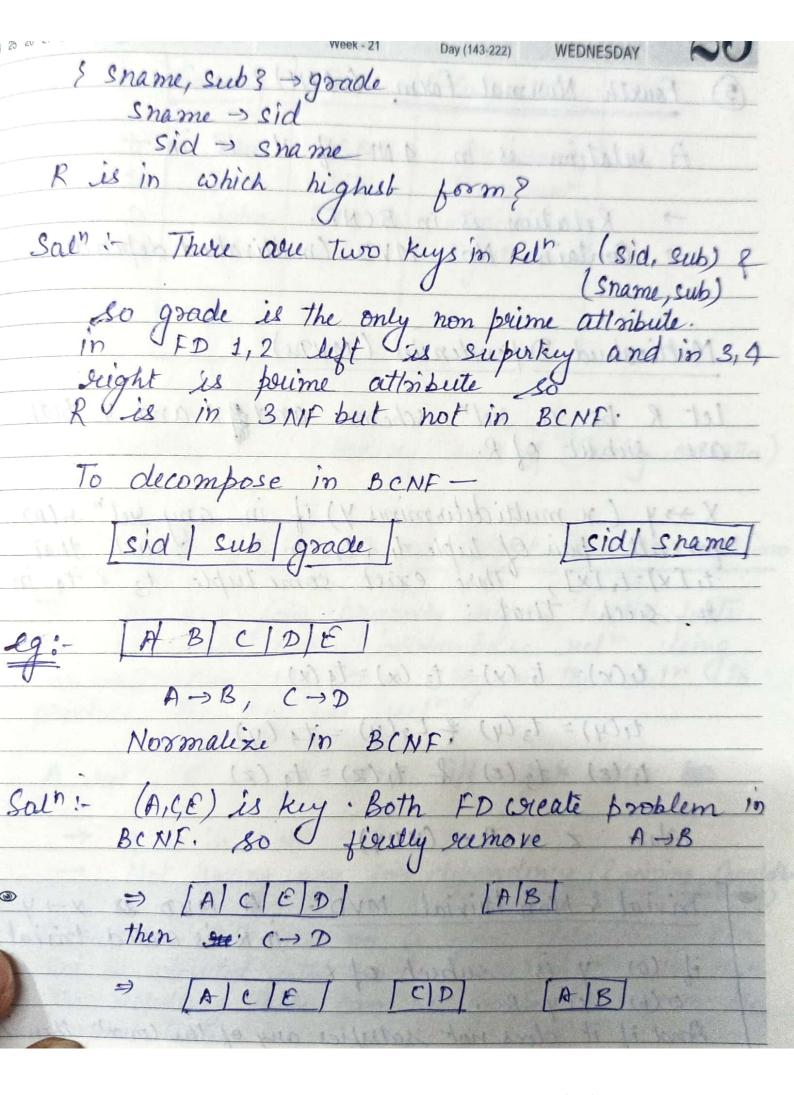


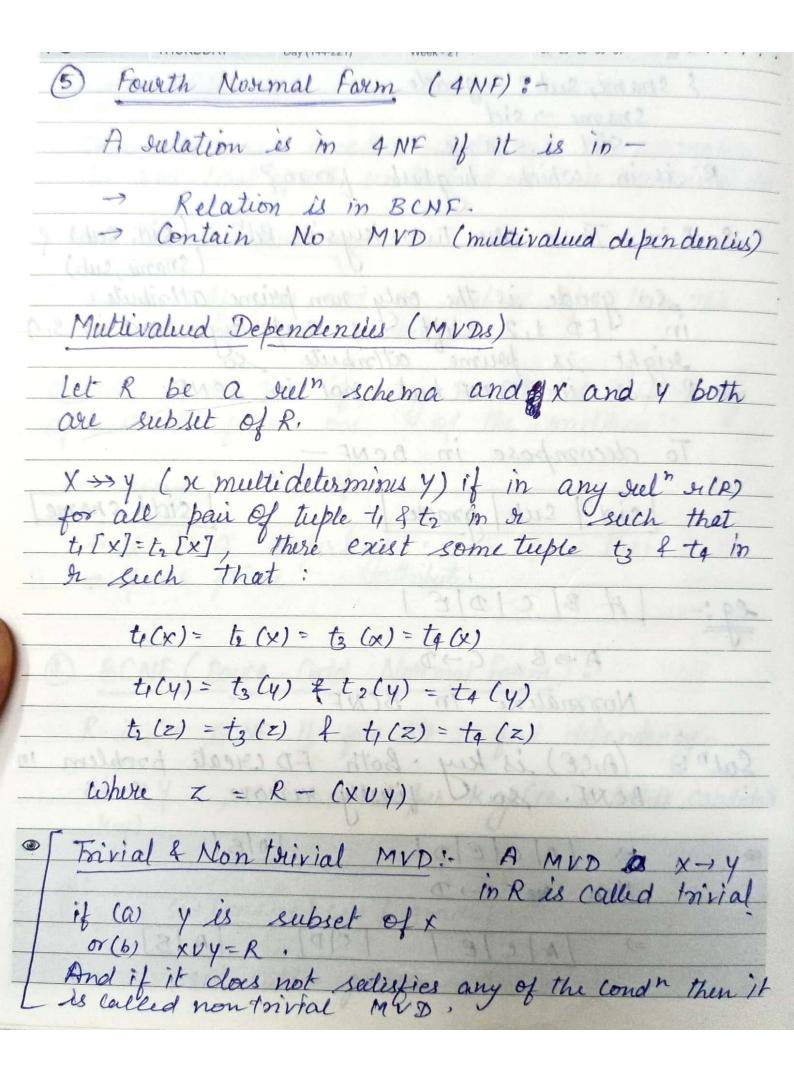




June 2007	Markey			MAY
S M T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T F S S M T W T W T T T W T T T W T T T W T T T W T T T W T T T W T T T W T	Week - 21	Day (141-224)	MONDAY	21
eg:- R=(Name,	Phno, Course	e, major, p	rof, grade	, major ele
Name ->	Pono, majo	Mala da	CPartio	of dap.)
major → Name, cou	Pnno, majo Pnop major ele use -> gr	ade ade	Vanisat V	P Nos
Key is EName,	course }	to our but	e y to gl	X X
2 NF Decomposit	im !-	Strill Li		
R, name Phno n	THE TANK THE PROPERTY OF	ele R2	Course Po	of
R3 [name] course	1 grade]	he X	every:	For your
Now R, is no convert in 3NF	t in 3	NF SO	decomp	ose it
3 NF Decompos	ilion 1-1	wife - Could	BCNECE	
1 [name Phno n		The contract of the second		
[Course Prof]	1/4/1/2	rame / cour	se/gra	de

Anothu Approach
Thou is one another approach to normalisin 3 NF. First of all understand what is non-trivial
Non Trivial Dependency:
X → y: If y is not a subset of x then This FD is called non trivial FD.
Relation is in 3 NF if every non trivial dependent of sul R follow one of the condition:
For every: X -> Y
→ X is a superkey (OR) → Y is prime lattribute
1 BCNF (Boyce - Codd Novemal Farm):
R is in BCNF if for all ful defendency-
$X \rightarrow Y$, X is a super key (ie X holds cand)
eg:- sid sname sub grade
Esid, Subs-> grade





C		vveek - 21	Day (145-220)	PRIDAY NO			
eg:-	Faculty	Sub	Committee				
7	- 0-						
t	John	DBMS	Placement	-			
to	John	NIW	Placement				
ts	John	DBMS	Registration				
ta	John	N/w	Registration				
1000							
Decomposi	910n -	1 facult	is sup 2 (1	Foculty committee)			
1		0		faculty, committee)			
14.3							
6 5th 1	lagmal 1	Farm o	or Project I	oin Normal form			
The los	estess jo	in brope	erty Juleus	to the facts well using we seel to			
that whe	never e	ve d	Compose &	cel using			
nonmaliz	ation u	ve can	Diejoin th	e sul To			
broduce	the one	ginal se	un,				
A July	Ris	in SNF	iff far	all 🖹			
		The state of the s					
-> R	is in 41	VF					
-> R is in 4NF -> Not having any join dependency (& joining shouldbe orders)							
() () () (loselus)							
A relation	not be devided into two Cor more) rel such that the resulting table can be combined to form the						
not be	clevided 1	into two ((or more) Jul	n such that			
the sees	ulting tak	ble can	be combined	to form the			
original	table.						

