LOPA TAM A098-14-193 CST 132A HOMEHOVE 2

		Hanework 2
	Home work 2	
CONTRACTOR AND ADDRESS OF THE PARTY AND ADDRES	Let & be a relation with attrib	utes ABCD Consider
	SPL conjunctive quent	
	SELECT Z.P	
	Frm RxRyRz	
	HIETE Y. C-Opind X.B-Y.E	3 and 2.13=5
	and 2.C=4.C	
	CI) POTTEVA	
	PA BCP	ans D
	\times $ $	ans D
	4 - 6 -	
	2 - 5 0 d	
	(i) Hinimize, satisfying FD's	
	A -> D, CD ->B, C->A	
	RABIC DI P	A B C D
	x - b) ->	-5 o d
	y - 10	I was the fact that
	21-50 adm an	S./P. original in .
		d
	(iii) SELECT D	
	FROM R	
	WHERE B= I and c = 0;	
	The second of th	and the state of t
2,	. Let & be a relation with attributes ABCDEG and	
	F = 2 E - D, C - B, CB -> ACI, B-	A G-E3.
	(i) Find all tays of R.	× Ct=CBA
	FILE OF THE STATE	
	C7B COBEA	AD VCE+-CBEDAG
	CBE - AG	CG+-CBGEAD
	B-A	CBE+=CBEAGD
	GIE	CEG+ CBAGED
	*e75: CE, CG	VCEGT = CBEAGID

F: 3E-D, C-B, CBE-A4, 3-A, 9-E3
(11) POST decomposition of & with business join
VIDATION E SD (ED) = FD
ED ABCEG
violation: C>B (CCT)=CBA
CB ACECA VIOLATION: B-A
CB ACCU
X X
BA CEU
DO MAPOSITION - (FD CB BA GF C(T))
DOLANDROSTTION: (ED, CB, BA, GE, CG) GE CG
(iii) IS DELEMPOSITION ROPENDENCY PRESERVING.
F: ETD, CTB, CRETAGIBTA, GTE3
Peumposition: ED, CB, GE, BA, CG
CBE -> ACI IS Not preserved
(iv) 30# with lossless a dependency photogration
1. zentite to my single att on etts
+7D, C-B, CHE -> A) CBE -> G, B->A, G->E
2. Eliminate refundant FD'S
C-B,B-A, G-E,E-D, CBE-A, CBE-C
3. Eliminate repundant att From UHS STEP'S
3. Eliminate Repundant att from UHS STEP'S [P= {CB, BA, GE ED CEG3} SUFFERAL
R MAI LOSSIECT TOTAL
IS Palson DUNF? No perause only one
of the dependency is a candidate bey and
IS P also bent? No perawe only one of the dependency is a candidate bey and the rest are not, so they violate bent?