

1.	o) keys of R: {A}, {B}, {C}, {D}, {E}, {F}, {C}	
	b) Already m BCNF.	
	c) A key should be in its minimal form and since each attribute in R is a key already, any key with 2 or more attributes would not be minimal.	
٢٠	c)(i) Select *	
	from 9	
	WHERE NOT EXISTS (	
	SELECT *	
	FROM r);	
	(ii) SELECT r.A. r.C., S.D	
	2,7 M093	
	WHERE L.C = S.C ;	
	b) (i) SELECT employee-name	
	FROM works	
	GROW BY company-name	
	HAVING Iday > AVG (salay);	
		1 e1
	From employee e2, employee e 1 moneyes M ON e. employee-nom= M.en	playeenamen
	MERE e2. employce-nome IN (SELECT M1. Manager-nome	
	From Manages MI)	
	AND e1. employee-nome NOT IN (SELECT M2. monages-nome From monages M2)	•
	AND e2. employee-name = e1. Manager-name	
	AND e2. street = e1. street	
	AND e2. city: e1. city;	

3.	C) Average marks not grouped by subject code  SELECT subject-code, Ava (Morks)  From students  Group by subject-code
	FROM Students
	FROM Students
	HAVING AVG (MONTHS) > 75;
	(110)
4.	ON) CREATE ASSERTION appointment Check CHECK (
	NOT EMBIL (
	SELECT doctor ID, date
	From appointments
	GROUP BY doctor1D, date
	HAVING JUM (potient 10) > 50
	)
	);
	h) 4400
	b) 4400 4400
	4400
	4400
	7100
	c) view cannot be updated, error occurs.
	Ambignous query.
	, 0 L J
(	d) Index occupies space on disk and memory this it would be
	disodvantage if space is a concern. Also, when data is
	inserted supported selected, index needs to be maintained by re-ins
	on top of maintaining relational table, thus incurring additional
	Overhead

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4.	e) customer/n/o ( Cid , none address (ocala)			
	e) customer lato ( <u>Cid</u> , name, <u>address</u> ( <u>Durly</u> )  customer Contact ( <u>Cid</u> , phanetype, phanenum)  customer Address ( <u>Cid</u> , <u>address</u> ( <u>Contry</u> , <u>street</u> , <u>city</u> , prov-state, prode-zip)			
	andown Address ( Cid, address County, street, city, prov-state, prode-zip,			