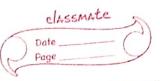


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W-Nett	DBMs -	ASSIGNMENT.			
W			111		
Ward Hard	I cas The	INF would be	Н. Н.	10.1	
المرسامة		<u> </u>	11-1-		
	Id	Name	Age	Location	
×		Sachio	. 22	Delhi	
who provide	2	Ram	22	Jamshedpur	
d-wij	3	mike	23	chennai	
d-Nait	Ц.	Sameer	21	Bengaluru.	
KNW	5	Vijay	22	Mumbai.	
4-2/2/j		<u> </u>		. 4	
			\	2	
d	Td	Course			
d-Marji ————		0.5			
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A	inswers-
J.	The given table is not iso INF as the column
	'course' contains more than one value but to be
	in INF. a table must contain atomic values
	in rows of column
4	primary key - 'Id'
	candidate key(s) - No candidate keys
	prime attributes - 'Id'.
	Non-Prime attribute - 'Name' lage: Location',
_	'Course'.
_	A was in the second of the sec
3	In the given table, there is no transitive or
ىد	partial dependency.
_	the start which is a shipping at the same
_	The given table is already in INF, because
	all fields contain only scalar values.
	alder i val vin in
	to a first a complete the second of the state of the second of the secon
	The converted 2 NF form for given table will be
	The Converted of the Co
	Emp-ID Name Age
	101 Arun 26
	lo2 Bobby 28
	103 Suresh 32
	104 sita 24
	Maria 104
	A professor to the prof
-	
+	

A. Commercial Commerci	71142	SMAta
	Date	1
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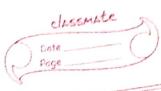
<u></u>	Duty-shift-ID	Duty-shift
Emp_1	Duty-shiri-1	morning
101		Afternoon
10.2	2	Night
103	3	morning
104		
Answers	S -	The second second
I. The	given table is not in	2 NF as It is 1107
fully	functionally dependent	on Primary Keys
as '	1 41,700 \$	
	Emp-ID - Name, Age	-1101
	Emp ID, Duty shift ID -	- Duty-Shift
	11	10.16 (G (1) 10 (C) 31) 4
So.	we need to divide the	table into two
parts	as above	Mary maris Art. Col
·		alan di da
<u> </u>	rimary key : Emp-ID	
co	indidate key: Duty-Shif	1-ID, & Emp ID. Duty-shill
	all and a side of the side of	IO)
Prio	ne attribute: Emp_ID	
No	n- prime attribute: Name	Age, Duty-shift
	·- wash	131
3. The	re is no transitive de	pendency in the
giv	en table and in give	n table, Duty-shift
is_	dependent on dy "Duty	shift_ID" which
	Part of Primary key	so there is a
Par	tial dependency.	

	cli	assmate	2
5	Date		
(Page.		
13			

	Date Page
1 (b)	The Converted 2 NF table will be
	Emp. ID Name
	321 Chary
	546 Rajesh
	765 Abhishek
	ABUISACK
	Emp_ID Project_ID Proj-Name No. ob. hours
	123 Prj-21 Speech System 10
	321 Pri-45 HR System 15
-	546 Prj-24 Auto. tickects 23
	785 Pri-11 NIP 10
	ANS -
	1. Given table is not in 2NF because it is not
	fully functionally dependent as:
	Emp-ID - Name
	Emp_TD, Project_TD Proj_Name, No. of hours
	so, there are two tables with above conditions
	2 Primary Key - Emp-ID
	Candidate key - project ID { Emp_ID, project_ID]
	Prime attribute - Project_ID, Emp-ID
	Non-Prime attibute - Name, proj-Name, No. of hours
5.	

	Date
(1)	Page
18	

	1 1 10 given table			
	3. There is no transitive dependency in given table			
	3. There is no transitive dependency, as the But there is a partial dependency as the			
	But there is a partial dercree of are only attributes 'proj Name' & 'No of hours' are only			
	dependent on project TD' and attribute 'Name'			
	is dependent on Emp_ID.			
	15 GEPED GENT OIL			
	i haidh.			
3.	(a) The converted SNF for given table			
	cust_ID cust_Name cust_Pastorde			
	25 Dell 560037			
	45 Lenovo 560046			
	89 Acer 210067			
	90 Samsung 4500078			
	10 Stornson,			
	The state of the s			
	cust-postcode cust-address cust-loc			
	s60037 whitefield Banglore			
	560046 Marathahalli Banglore			
	210067 Bandra Mumbai			
*	4500078 Delhi-central Oelhi			
	Ans -			
	1 The given table is not in 3NF as there exist			
	transistive dependency.			
44	A TABLET AND CARLETY THE EAST OF THE CONTRACT			
	2 Primary Key - cust ID			
	candidate key - ¿ cust-tD, cust post codes			
Ž	Prime attribute- Cust_ID, Cust_Postcode			
	Non-Prime attribute- cust Name, cust-address			
	cust loc			



There is a transitive dependency as sollow { cust ID}			
fcust fostlode g = & cust address, cust locg {cust TD} = & (ust address, cust locg) There is a partial defendency as 'cust address' cust loc' dependent only on 'cust postcode'. The converted 3 NF will be Building Contractor Builder B-2156 Tylor prestige B-2156 Sandeep miranan dan B-2156 Sandeep miranan dan B-2156 Sandeep Tota B-2156 Tylor prestige B-2156 Sandeep Tota B-2156 Sandeep Miranan dan B-2156 Sande	There is a trans	f clust pastade?	W
There is a partial dependency as 'cust-address' "ust-loc' dependent only on 'cust Postcade'. The converted 3 NF will be Building Contractor Builder B-2156 Tylor prestige B-2156 Sandeep Miranan dan B-2156 Sandeep Sandeep Miranan dan B-2156 Sandeep Sandeep Miranan dan B-2156 Sandeep	scust postcode 3	-> & cust-address, cust	- LOC-3
Building Contractor Builder B-2156 Tylor Prestige B-2156 Sandeef Miranan dan B-8765 Sandeef Miranan dan B-4567 Vishaka Tata 1 p. R. Contractor fee Taylor 25 57831 Sandeef 36567356 Vishaka 4567990 Primary key - f contractor, fee j ANS - 1. The given table is not in 3NF as it contains transitive defendency. 2. Primary key - Building contractor; Sandidate key - f Building Contractor; Sandidate Rey - f Building Contractor; Building Ruilder;			
Building Contractor Builder B-2156 Tylor Prestige B-8765 Sandeep Miranan dan B-4567 Vishaka Tata P.K. Contractor Fee Taylor 25 67831 Sandeep 4567990 Ans — Lithe Given table is not in 3 NF as it contains transitive dependency. Primary Key - & Building, contractor) & Building, Contractor, Builden Primary Key - & Building, Contractor) & Building, Contractor, Builden	There is a portust loc' depende	artial dependency as 'c nt only on 'cust_postc	ust-address'
Building Contractor Builder B-2156 Tylor Prestige B-8765 Sandeep Miranan dan B-4567 Vishaka Tata P.K. Contractor Fee Taylor 25 67831 Sandeep 4567990 Ans — Lithe Given table is not in 3 NF as it contains transitive dependency. Primary Key - & Building, contractor) & Building, Contractor, Builden Primary Key - & Building, Contractor) & Building, Contractor, Builden) The converted	3 NF WILL be	
Contractor Taylor 25 67891 Sandeep Vishaka 4567356 Vishaka 4567356 Vishaka Primary Key - E Contractor, fee J ANS - 1. The given table is not in 3 NF as it contains transitive defendency. Primary Key - Building Candidate Key - Emilding Emilding Builder; Prime attribute - Building Contractor, Builder	Building 8-2156 B-8765 B-4567	Contractor Tylor Sandeep	prestige miranan dan
Sandeep Sandeep Sandeep Vishaka 4567356 Vishaka Primary Key - & Contractor, fee } ANS - 1. The given table is not in 3NF as it contains transitive dependency. Primary Key - Building Candidate Key - & Building, contractor; & Building, Builder; Thine attribute - Building, contractor, Builder			
ANS - L. The given table is not in 3NF as it contains transitive dependency. Primary key - Building Candidate key - f Building, contractor; Suilding, Builder; Prime attribute - Building, contractor, Builder	Taylor		
ANS - 1. The given table is not in 3NF as it contains transitive dependency. 2. Primary Key - Building Candidate Key - & Building, contractor & Building, Builder; Prime attribute - Building, contractor, Builder			
transitive defendency. Primary Key - Building Candidate Key - { Building, contractor} Suilding, Builder; Prime Attribute - Building, contractor, Builder		key - { contractor, fee }	
Candidate key - f Building, contractor; { Building, Builder; Prime attribute - Building, contractor, Builder	Ans - 1. The given tabl	e is not in 3 NF as it	centains
Prince attribute - Building, contractor, Builder		& Ruilding contractor)	
Non prime attribute - fee	Prime attribute	- Building Contractor, &	Builden
	Non prime attrib	ute - fee	

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- we spirit	Page
رسنائهما	3. There is transitive dependency between
- Landerstand	following attributes
with the state of	
المستعلم المستعلق المستعلق المستعلم المستعلم المستعلم المستعلم المستعلم المستعلم المستعلم المستعلم المستعلم الم	[building] - [contractor]
wide with	Econtractors — { Fee 3
استدارسانها	and
المستخدمة	There is partial dependency as non-key
with the	attribute (fee) is dependent only on funtraction
	assissing which is just part of candidate
	ky 9 building, contractory.
- depris fr	9.44
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	ACLUSION OF THE PROPERTY OF TH
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	the state of the s