DBMS ASSignment - Pege.

Nirmala

Page _____

Mothongi Svavan

The table is not in 1 NF Because the attribute Courses Contains more than Nature for ext ID-1 Courses -> OR, DBMS.

So of 71 is not in 7 NF if Contbe

Converted Table:

ID	Name	Age	Location	Carses
4	Sachia	22	Delhi	08
1	Sachin	22	Delhi	DBMS
2	Rom	22	Jamsheday	DAA
			Janshedpur	DBMS
2200	Rom	22	^	
3	Milce	23	chennou	ML
3	Mike -	23	chennoù	20
4	Someer		Bengalary	DAA
4	Sameer		Bengaluru	ML
5	Vijay		Mambai	ML
5	Vijag		Mumbai	DSMS
	30	- 69	90 k	10 200

-> The above Table is in INF

-) Prime Attributes -> 10 f Name Non-Prime -> Age, Location, Courses.

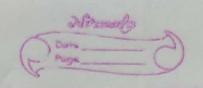
- FD-) 10 -) Age, Location, Courses.

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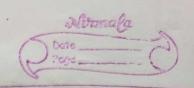
4	The 2 nd table question is a so need to a	provided in already in a	the 2 NF
	is parties deposited of the control of the control of the principal of the principal of the principal of the control of the co	a table to be on Key ottibus mary Key.	be in for
9000 9000 9000	The primar - Shift. IDJ But Si Duty-Shift, He exists. 2NF would be	pay 18 2 - In pay - Shift - ID ence partial	dependency
Name	top. ID Duty 101 0.090 2 102	-Shift-ID Nam 2 Bobb	0 26
Prim o.	ne 104	Sur Primary (cey	esh 32
Pai 13	ty-shift- non-prime 1 attribute 2	ANTENNA SA	shi-f-f
	3	Market Or Ni	ght

1

+ +



6	This is not in 2NF because there exists partial dependency
	there exists partial dependency
	· foliage to all - the second
	& Project - Iog - J Proj - Names
	77 00 100 °C C 00 70 00°C 1 70°C
9/9	The primary ley is & Emp ID, project-IDJ
	Proj-Name, No. o-P-hours should Completely
	olepend on primary key.
	2NF woodd be
	emp-30 Project-50 Name Norof-hours
	123 Prg-21 Ajay 10
- 1	821 Prg-45 chary 15
2300	546 Prj - 24 Rajesh 23
Adl	765 Pry - 11 Abbishol 16
- 10	E Emp-ID, Projed - IDY -> Primary Key.
	Project-20 Proj- Nane
	Pri 21 Speech - System
	Pri-45 MR System
	Pry - 24 Automatic tickets
	Por 11 - NCP.
4	& Project - and -> Primary May.
	2 rigida 323 mailarg reg.



8	Not in 3NF, there exists transitive
0 8	dependency between { cust-address?
	& E Cust -Past cooks.
	3 NF would be

Cust-Ip	Cust-Name Cyst-Post Code
25	Dell - 560037
45	(enovo 56 0046
99	0.Cer 210067
90	Sansing 45 00078

[Cust- ID3 -) Primary ley

Cust-Postcole Cust-Poldres Cust-Loc
1560037 whitefield Bangalore
560046 marathaballi Bangalore
210067 Banalog Mumbai
4500078 Delki antral Delki

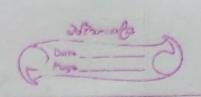
{ Cust- Post Cooley -> Primary Key.

b) Here, there exists transitive dependency, so it is not in suf.

I contractor 3 -> (fee 3)

There should be no transitive dependency in 3NF.

& Buildings -) Primary Koy



{ Contractor, Builder, fee}->

non-prime

SNF would	60	WHEN THE STATE OF
Building	Contractor	Builder
B-2156	Taylor	Prestige
B-8765	Sandoep	Hiranandoni
B-4567	Nichoko	Total

Primary Cey- { Contractor feely

Contractor fee

Raylor 256 7891

Sandeop 356 7356

Vishalca 456 7990