## DBMS-LAB Assignment-6

Sourar Bhagas 19BCS 103

1) Table 1 This not not in INF because course cattribute contains more than one attribute

walue

Prime Ken; Primary dy - Id

Candidate Key: Id and Course

Prime key: - Id and Course

Non Prime Key: - Name, Age, Location

Jo	1 Name	1 Age	1 Location	course
1 1	Sachin	22	Delhi Tamafedhere	OS DBMS
2 2	Ram	22	Jamehed bur	DAH
3 3	Mike Mike	23	Chennai	ML
4	Samer	21	Bengaluru	DAA
5	vyay	22	Mumbai	ML
5	kijay	22	Mumbai	DS MS
				100000000000000000000000000000000000000

7 19 BCS 203 This Table is already in INF because it does not contain multivalued altribute Perimary Key: - ID Candidate ky:-ID Prime Key: JID Non Prime Key: - Name, Phone, Stale, Country So, the table is same as given in the question

203

2) the Table I is already in INF because it does not contain met multivalued attribute is not in 2NF because mon trable is not fully non brime attribute is not fully functional dependent ion concludate key.

Primary key: Emp\_ID

Candidate key: Emp\_ID, Dudy Shift\_ID

Candidate key: - Emp ID, Duty Shift\_ID
Prime key: - Emp ID, Duty Shift - ID
Non Prime key: Name, Age, Duty-Shift

		~	7
	Emp_ID	Dudy Shift ID	The same of the sa
	101	1	
1	102	2	
1	103	3	-> Prumany kuy - I
1	104	1	
l			
£.,	-		

Emp-ID	Name	1 tige	113865103	Table
107	Heun	26		> Th
102	Bobby	28		1
103	Swesh	32	sprimary key: - Empis	7
104	Sita	24		
	983.188			
	149			
1-				
Duty Shi	470-	Duty-Sl Mornin		
2		Aftern	oon -> Primary ky=	5
		1	Dudy-Shiphall	
3		Night		
- 1 0	Lane alls	tion be	artial dependency Duta-Shift ID (primity	
In the cu	blade	between	Duty-Shift ID (prime to)	
is taking	Appl 40	non-he	imo keus affei lute.	
and res	y in	ron-pa	ime key attribute.	

his it

So

Table 2:-

-> This table is calready in INF because it does not contain multicalued realise attende

-> This table is rabieady in 2NF Because & non prime key attenbute is July functional dependent on candidate key.

Primary key: - Emp\_ID Candidate Key: Emp-ID, Project ID Prime key: Emp\_ID, Peroject ID Non Prime key: - Name, Prios-Name, No-of-hours

So, The Table is same as given in the question.

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3) Trable 1

The table is already in 1Nt because it does not contain multivalued cattul bute.

> The table is already in 2NF because non brime attribute is fully functional dependent on candidate they.

Puimau Candidate Key: - Cust-ID, Custoc ID Prame key: Cust\_ID, Custoc-ID Non Perime key: - aust-name, Cust-postcode,

> This table is not in 3NF because there is transitive dependent deny between Rust loc and Rust Add And to remove this tuansitive

dependincy we are introducing a new attendents called auxhloc-ID

		I and posta	mehiteheld	Mustler 70
25	Dell	560037	Lond	
	Lenovo	560046	Marathahalla	1
		210067	Bandra	• 2
		4500078	Delhi Centur	3
			No see	
G Preimary key - Cust ID				

[Cust loc_1D	aust-loc_
1	Rust-loc Bangalore
2	Mumbai
3	Dehli

Sprimary key-Custlec ID

This table is abready in INF because it does not contain multivalued attribute 1able 2 :-> This table is already in 2 NF Because it does not seen hon brime attentions is fully functional dependent on candidate Key This table is already in 3HF because is does not contain thanseline dependencies Peuimary Key: Building Candidat Key: - Building Prime Key Attribute; Building Non Prime Key Attribute: Contractor, Builder, Fel. Son the table is same as given in the