D'BMS LAB ASSIGNMENT - 6

B. Sairoj 19805016

The given table is not in INF. Because
the attributes cause contains more than
the attributes cause contains more than
table tor eg: ID-1 recurse -> 'ps, psms'.

so as it is not in INF it can't be
in INF & 3NF.

converted Table:

CONVCIT	ca abe	MERSAGE.		
JD.	1 Name	Age	Location	courses
		Janes de la	pelbi	05
A OUE	sochio	55		DBMS
1	Sachip	55	Delbi	-00
2	Ram	55	Jamshedpur	DAA
2	Ram	. 25	Jamshedpur	DBMS
	Mike	23	chennai	me
3			chennai	Os
3	mike	53		
4	Sameel	21	Bengeline	DAA
4	Sameer	1 21 0	Benguluru	ML
187			Mumbai	ME
=	Wijary	22		PBMS
5	3	22	Mumbai	5.9
5	vijay	0 =		

* The above table is in INF.

* The prime attributes are > ID, Name

Non prime attributes are > Age, Location,

courses.

FD -> ID -> Age, location, courses

Palole: 1.2:

, a Testin		1 07 -1	no veit-	2/23/
In	Nome	Phone	storte	country
<u>\</u>	Kailley	77162577	Koorodaka	ZNDIA
. 2	Jannet	987654968	Maharastro	CTT
3	Robert	94567890	AP	THOIA -
4	Thomas	9876 58490	Kela	AIGNE
-	surfederick .	68	Sorto	S

The given above table is already in

Primosy key: Id, Name, Phone, state

prime attributes: Id, Name, Phone, state

Non-prime: country:

In table 2.1 is not in and Normal Form. Because

it is not tally trunctionally independent

as ! > Emp_ID -> Name, Age

Imp_ID, Duty-shit_ID -> ruty-shit

* primay keys: Emp_20

candidate keys: tmp-ID, Marne, Age.

prime attributes: tmp-ID, Duty-shit-ID

Non-prime " Marne, age, Duty-shitt

converted Pable:

Pable: 1 (+mp-70)

-emp_ID	Nome	Age
101	-Arjun	26
102	Bobby	28
103	swiesh	32
104	sita	24
	a adainsta	1

Table - 2 (Duty-shift - ID)

-fmp_ID	ocaty-shit	DE	puty-chit
10-0.1	and a majort	at- 611	Morning
101	to large through	18-1	attomoon
102	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Mes-1	Night
103	at it site of her	pe la	morning
104	ante.		7 1 806

Table: 2.2: is not in DNF because it is not tully independent as: Emp-ID -> Name

Emp_2D, project_ID -> Project_Name, No. of hours

at dus solas house

* primary key: Emp-ID, project_ID, Name.

Prime attributes: Emp-ID, projed_ID, dame, projed_lam, alon - prime:

Tolde : 1 (Corp. 15)

Convolled Pable:

ar-dws-	Name	01-7m9-
1	Apy	101
123	John John John John John John John John	901
321	choon	103
596	Rajesh	+01
765	Abhishek	-
lat	Mill-pluci)	G + slde!

-Smp-IO_	project	lide when I am	101
£mp-10	project In	Project - Notice	about hours
123	Prj-21	speech system	10110
321	Prj-25	+)R "	15
546	Prj-24	Automotic tideet	23
765	Prj - 11	NIP	16 -
L	7	· ·	1

In table 3.1 is not in 3NF, there exists transitive dependency between of cust-address & & 2 cust - lock on non-primary key which is 2 cust - postcode 3

3NF would be:

cust _ to	cust - Name.	cust = podcode
25	bell	50037
45	lenovo	56.0048
89	oce	210067-
90	Samsung	4500 78

doust toy a primary key

0/21/2 27 1	ALEY SALES	MC.
cust - postcode	enst_Address	cust aloc
560037	Whitefold	Barylone
560048	Maxathahali	Banglore
2100 67	Bandar	Mumbai
450078	Delhi central	Delbi

2 cost - postcode } > primary key

b. Here there exist transitive dependency, co.

1 contractor y -> (Free)

There should be no transitive dependency in SNF.

1 Building) -> Primary key

1 contractor, Builder, Feel -> non-prime attributes

3NF should be:

Builing	contractor	suilde.
B-2156 B-8765	Paylor, sandcep	Presitge Hirdanani
8-4657	vishaka	Pada

Primary bey -> deontractor, Feely

contractor	Fee
Taylor sandcep Mishalea	2567891 3567356 4567990
	A