Rules-Food INF

- 1). There should be only atomic valued attributes.
 2). Glumns name should be unique.

Tables for INF.

Doc No .	Ph. No.	E 415	Doc No.	Dep. Id
DI	0333-123	ASS	DI	Newsology
- DI	0.42-123	2-540	D2	Onthopedic
D2	0334-124	4.20	D4	ENT
D2	0300 - 123	Out &	D4	Newso logy
D4	0321-123	P-270 1	DS	Skin
D5	0321-124		DS	ontho bedic

Table-1

Table-2.

			The state	The State of the s		
	Doc No	Name	Address	Designation	Changes	_
•	DI	Dr Nadeon	Abc123	Proff.	5000	
	02	Da Nadeem	Kb13	Proft.	5000	
	D4	Den Brum	AK123	Asst Prott	3000	
	DS	Der Hafeez	Nd123	Asst Proff	3000	

Table-3.

Pat. No.	Poc No	Pat Name	CNIC	Phone	Room No	RoomTyfe	Bed No.
PI	PI	Kahlid	12345-1	042-1	R-2	Nooval	BI
PI	D4	Kahlid	12345-1	042-1	R-S	Special.	B9
P5	DI	Ahmed	12345-2	042-2	Nil		Nil
P7	101	Anum	12345-3	042-3	R-2	Normal	B1
P7	D2	Amum	12345-3	042-3	R-4	Two Bed	BS
P4	D2	Mehmood	12345-4	042-4	R-2	Normal	1 B1
P9 P10	P2	Khawar	12345-6	042-5	R-4	Two Bed	87
PI2	D4	Tanwen	12345-7	042-6	Nil	680	Nil
	DS	Sohail	12345-9	042-8	Nil	200 2	Nil
PI3	D5	Ahmed	12345-0	042-9	RG	Special	B9

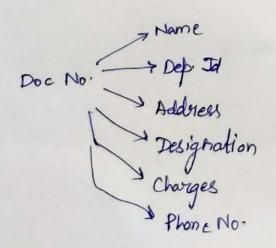
Table-4.

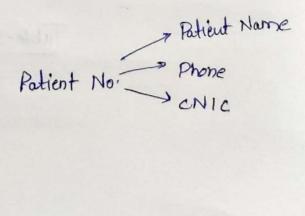
2NF. 7 A table is in 2NF iff:

i) It is in 1NF

ii) There is no partial dependency.

The various dependencies are





20

Room No. ____ Bed No.

Spatient No.] -> Doc No.

So, the cardidate key is: Patient No., Doc No.

Partial dependency exist in '4th table So, we have to split 4th table in order to remove partial dependency.

Patient No.	Pat. Name.	CNIC	Phone
PI	Kahlid	12345-1	042-1
PI	Karlid	12345-1	042-1
PS	Ahmed	12345-2	042-2
P7	Anum	12345-3	042-3
P#	Anum	12345-3	042-3
ρ4	Mehmood	12345-4	042-4
P9	Khaway	12345-6	4
Pio	Tanween	12345-7	042-5
P12	Sohail	12345-9	042-6
Pl3	Ahmed	12345-0	042-9
		,	

Table-5.

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Pat. No.	Doc No.	Room No	Room Type	Bod No.
PI	DI.	R-2	Normal	01
PI	D4	R5	Special	89
P.S	DI	Nil		Nil
PŦ	PI	R2	Normal	BI
PŦ	D2	RY	Two Bad	BS
PY	D2	R2	Normal	BI
P9	02	R4	Two Bad	B7
PIO	Dy		1000 BEG	Nil
P12	05	Nil	it lone C	Nil
PI3	DS	R6	Special	89
j	1-00	1.5451	er hilder	

Table-6.

Third Normal Format (3NF)

A table is in 3NF iff:

i) It is in 2NF

ii) It should not have pastial dependency.

Patient No. J. Room No. > Bed No.

Book

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Patien No	· DOCHO!	Room No.		Room No.	Room Type	Bed No.
R2	Normal	ВІ		R2	Normal	BI
RS	Special	89		RS	Special	B9
Nil	Special			Mil	denis	Nil
R2	1	Nil		R2	Normal	BI
	Normal	BI		R4	Two-Bed	BS
RY	Two Bed	B5				
R2	Normal	BI	1 3.00	R2	Normal	BI
RY	Two Bed	B7		R4	Two Bed	87
Nil		Nil	11.3	Nil	The same	Nil
Nil		Mil		Nil	01 1	Nil
R6	Special	B 9	P-503	R6	Special	89
				1	able-8.	
Table.	- 手 、		hed and		able o	

Final Tables.

Mem Abel23	Proff.	5000
	Proff	5000
Grum AK123	Asst Proff.	3000
	deem Kb13	doem Kb13 Proff From AK123 Asst Proff

Doc No.	Phone No.	DOC NO.	Dept. Jd
DI.	0383-123	DI	Newrology
DI	042-123	D2	Orthofedic
D2	0334-124	D4	ENT
D2	0300-123	D4	Newro logy
DY	0321-123	D5	Skin
05	0321-124	DS	Orthopedic

Pot No.	Pat. Name	CNIC	Phone
PI	Kahlid	123451	042-1
PI	Kahlid	12345-1	042-1
PS	Ahmed	12345-2	042-2
P7	Anum	12345-3	042-3
P7	Anum	12345-3	042-3
P4	Mehmood	12345-4	042-4
Pg	Khowai	12345-6	042-5
P10	Tanweer	12345-7	042-6
P12	Sobail	12345-9	042-8
P13	Ahmed	12345-	0 042-9

Table-i L Table-8 are also resultant table.

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