## Assignment

(Reducing the table into 1NF)

## Table - 1: Doctor's Detail

Doc No.	Name	Address
DI	Nadeem	Abc 123
D2	Nadeem	K613
D4	Erum	Ak123
D5	Hafeez	Nd123

## Table-3: Department - Details

1	
Doc No.	Dept_id
10	Neurology
<b>D2</b>	Orthopedic
D4	ENT
. D4	Neurology
<b>D</b> 5	Skin
D5	Orthopedic

# Table-2: Contact\_Details

DOC NO.	Phone No.
D1	0333-123
D1	042-123
02	0 334-124
2	0300-123
D4	0321-123
<b>D</b> 5	0321-124

Table-4: Charges

DOCNO.	Desig	gnation.	Charges
DI	Prof	esson	5000
D2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	fessor	5000
D4	AsH	· Proff.	3000
D5		Hi Proff	3000
	•		

#### <u>Pable-5: Patient Details</u>

Doc No.	Patientn	0 Patient Name	CNIC	Patient Phn	Room. No.	Room - Type	Bed No.
D1 D1 D2 D2 D4 D5 D5	P1 P5 P4 P4 P9 P10 P12 P13	Kahlid Ahmed Ahmed Anum Mehmood Anum Khawar Ranweer Khalid Sohail Ahmud	12345-1 12345-3 12345-3 12345-4 12345-6 12345-6 12345-1 12345-1 12346-0	042-1 042-2 042-3 042-4 042-3 042-5 042-5 042-6 042-1	3 Niu	Normal Normal RuoBed TwoBed	B1 B1 Nill B5 Nill Nill Nill Nill Nill

assumming	•	alleman transporter and a statement of the	webuilding			
Pable-1:	DocNo	Name «	Add			
Pable-2:	DocNo	Phone				
Table-3:	DocNo	Debt II	De De	To No	Dept:	ID
Pable-4:	Doc No.	Design	char.	ges		A.
Pable-5:						
Doc. No. Pa	tient No. 3	Patient Nai	mo CNIC	Patient Phyn	Room.	Room Type
Reducing t	he table	into 21	JF)			•
Table I,	•	rie în 21	/ 1	hasp	partial	
Pable-6:			deper	ndence		
Doc No.	PatientNo	. Rooms	ro. Roon	iType	BedNo	).
Pable - 7:		. *	*			
Patient	No. Pati	ent Name	CNIC	Patie	ut Phn.	

Bed No

Reducing the table into 3NF)
Pable 1,2,3 are in 3Nf Decomposing table 4: [Since, it has transitive
Table 8: Doc No Designation
Table 9: Designation Charger
Decemposing Pable 6:
Roc No. Patient No. RoomNo.
Room Room Bed No. Type Type
(Reducing the table into BCNF) All the dables are in BCNF.

## Final Solution

Doc No.	Name	Addre	3-F
DI	Nadeum	Abc	123
DS	Nadeem	Kbl.	3
D4	Erum	Ak	23
<b>D</b> 5	Hafeez		123
	Table 1)		
Doc No.	Dept-i	d	Doch
1	11000	18011	1 0:

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DOCNO.	Phone No.		
to communication and specifical properties of the control of the c	0333-123		
<b>D1</b>	042-123		
Da	0334-124		
D2	0300-123		
DH	0321-123		
D5	0321-124		
(Table 2)			

Doc No. Rept-id

D1 Neurology
D2 Orthopedic
D4 ENT
D4 Neurology
D5 Skin
D5 Orthopedic

DocNo. Designation
D1 Professor
D2 Professor
D4 Astt. Prof
D5 Astt. Prof
(Table 4)

Desig Charges Proffeson 5000 Astt. Prof. 3000 (Table 5)

(Table 3)

( Indie a)					
Patient No.	Patient Name	CNIC Pa	tientPhn		
P1	Kahlid	12345-1	042-1		
P4	Mehmood	12345-4	042-4		
P5	Ahmed	12345-2	042-2		
P4	Anum	12345-3	042-3		
19	Khawar	12345-6	042-5		
P10	Tanwell	12345-4	042-6		
120	Schail	12345-9	042-8		
P13	Ahmed	12345-0	042-9		

(Table 6	)

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1	DecNo	Patient No.	
The second secon	D1 D1	P1 P5 P4	R2 R2 R2
	D2 D2	P# :	RT-
	1	}	,
	)		

RoomNo	Room Type	Bed No.
R2	Normal.	B1
R4	Two Bed	
R5	Special	B8
		1

(Pable 7)

(Pable 8)