## ROBMS Assignment

	17	Table	1				2000	100	08.3		15 m	0.00		
-	DOC No:			Phone	Dept Id	Desga	Charige	Bt. No	Name	CNIC	Phone	Room	Promi	Bed.
1	DI				Neurology	V							1	81
1			شيت	some		-	ea	P.5	Ahmed	1934-7	049-9	RP	Normal	BL
1				same		. 1	1	P7	Anus	193-3	049-3	Nill		NIL
1		- 10-		049-193	3	/		PI	Kalid	193-1	049-1	RQ	Norm	BI
-	oag	sare	HOLE	049-193	san	Leis	Steh	P5	Ahmed	93-2	049-0	RQ	Noomal	BI
	/	- X	- 0	049-143	/ di	mbe	- X	P7	Anun	193-3	049-3	Nill		Nill
	DR	Nadeem	KHIR	0334-194	ortho	Pros	5000	94	Meh	193-4	049-4	RQ	Nocumal	BI
	-		- 4	same-				P7	Anun	193-3	049-3	84	Two Bd	85
			-	same -		ride	STAN	P9	Khauss	193-6	049-5	R4	twood	87
			/	0300-193	in such	bal	gai	P41	nd.	34		NA		
		same		0300-193	SON	e	0	P7		90	ne -			
	X	19-14	W.	0 300-193	1	11977	X	29	-	aitie	39		-x-	
	D.H	Edun	AKIR	0381-18	ENT	Aset.	3000	PLO	Tanu	193-7	049-6	rill		Nill
	P4	Exem	AKIR	0391-193	ENT	Asst	3000	PI	Kalid	193-1	049-1	R5	special	BB
	04	Exim	AK19	0391-193	Necroto	Acet	3000	PIO	Tanur	193-7	049-6	Nill		Nill
Ti	04	Exum	AKIR	0391-193	Newso	Asst	3000	PHI	Kalid	93-1	049-1	R5	special	88
	25	Hoseoz	MOIS	0391-19	EKIN	Aest	8 000	PIR	Solid	193-9	049-8	Will.		Nill
1	05	Hoseez	NDIR	0391-194	Skin	Aest	3000	P13	Atmed	193-0	049-9	R6	special	89
	05				ortho			13 20 20						Nill
	05	Haseez	NDR	0391-194	ortho	Acatol	3000	P13	Ahmed	93-01	19-9	R6 Is	peaal	89

This is INF form of the table given in the question where Phone No. Field for Dec. DI and De is splitted and Dept Id field for Dec. D4 and D5 is splitted and Patient No. Field is splitted for all doctors.

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Now, we can see that, we have the below listed dependency with (Patient No. + Doc. No.) = Primary Key.

Let the dependencies be,

Potient No. -> Patient Name, CNIC, Phone Bed No. -> Room No. + Room Type. Now, -- For PNF decomposition,

we consider / address partial dependency i.e

Partial CK -> Non Key/Non-Prive

.. We get sollowing tables,

2	-		-	The second second	As he he had not been a second	-
	Pac.No.	Patient No.	Bed No.	Reem No.	Room Type	
	101	- Pl	Bli	Re	Normal	
	01	P5	81	RQ.	Normal	Tele
	01	P7	Nill	Nill		Tab
4	02	P.4	Black	Re	Normal	
	DQ	P7	85	RY	Two Bed	
-	09	P9 13	87	RH	Two Bedi	
	04	P10	Nill.	Nill		
	04	PI	. 88	85 mil	special	
1	05	Pla	Nill	Nill	14	
4	0.5	PI3	89	R6 3	Special	-

Į	Language of the second		Also I		
	Patient	Patient	CNIC	Phone	29
	No.	Nane	3.4	1-9	Falle3
ļ	PI	Khalid	19345-1	048-1	100
1	P5	Mehmood	19345-9	०५२ + २	19
l	P7	Ahmed	19345-3	049-3	140
l	PH	Arun	19345-4	042-4	39
l	pq	Khawael	19345-6	049-5	20
l	019	Tanweer	19345-7	049-6	
l	PIP	Schail	19345-9	049-8	
	PI3	Ahmed	19345-0	049-9	

		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN		THE RESERVE OF THE PERSON NAMED IN			ALC: UNKNOWN AND PARTY.	
	DOCNO.	Name	Addres	Phone	Dept Id	Poig	nte	mongles/hor.
	PI	Nadeen	AUG 19		Newto			5000
(N)	01	Nadeen	A60 19	3 049-193	Neusia	Press	-,	5000
103EH	02	Nadeem	HU-13	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ortho			5000
	DQ	Nadeem	Kb13	080-193	ordho	Pros	500	5000
	04	Folum	AK 193		ENT			
	04	Folia	AK193	0391-193	Newson	Asst P	res.	8000
	0.5	Hoseez	Nd 193		ENT			3000
· a.	05	Hafeez	Nd 193	0391-194	Newso.	Asst. F	505 N	8000
	New,	Sins	1 mar - 9	len Key	A - H	o Joi	tred	
=	> FOOL 31		h 14					
				depender	ncy,	top s	sui :	
		find ;		9	V	W. Carlotte		
	300 10	ach lan	meea	dn 558	es do	sit 9	-da ve	9
								transitive
The same of the sa				19			19	
		0	dia !	din		19-1	19	
	And, t	rese we	eneo P cons	ideal a	Soriei	an Ke	y Ph	one Id.
		15			1	9	24	
	The	tables	twe of	ret asta	INE Je	F9	90	
		AND DESCRIPTION OF THE PERSON NAMED IN	THE RESERVE THE PARTY OF	UKIN		19	HQ	
	Dec No.	Patier	to No.	Bed No		19	H9	
	01	PI	usus -	BUILD	8	319	05	
^	01:00	3 P3	539	BIPA	1 8	19	0.5	
(6)	PI	P-	7	Nill	A CHA	-		
(older)	09	PL	107	M-B1	Police.	to	Patie	100000
The Part of the Pa	02	P7		B5	Maria		-ola	
	09	1 199	1000 1	31B7	hiladd		19	
	04	SPI	00 9	Nill	boan to	41	29	
	04	19	10-10-	188	band	11111	79	
	95	PIS	2- 11	Nill	MUDE		199	
	0.5	PI	3	89	words of	4	Pari	
		13.0	to be	-Ruchi	Banne		019	
		1 9 9	Ho D	Mary	lindo		919	
		1 8 8	1010	21-09/	bond		29	

	Room Type	Reem Ne	Bed. No.
16	Normal	Re	BI
Jose 6	Two Bod	RH	85
100	Two Bed	BH	87
	special	R5	88
	special	R6	B9 1

	Ooc. No.	Name	Address	Designate	Charge/hor	Phone Id.
1	PI	Nadeem	Abc 183	Pros.	5000	
	00	Nadeem	Kb-193	Pros.	5000	9
	04	Foun	AK13	Asst. Post.	3000	3
ı	0.5	Haftez	Nd 193	Asst. Pros.	3000	4

Phone Id	Phone.	Deat Id	
,	0333-193	Neusia	(1326)
R	0334-193	ortho	100
3	0300-193	ENT	
4	0391-194	Skin.	

Now, FOOL BONF:

we solve Non Key > Candidate Key

Since, no non Key determines candidate Key

hence we have reached BCNF.