

USER(a)	user_id	a1
	User-type	a2
	email	a3
	Password	a4
	name	a5
Senior Doctor(b)	Sen-doc-id	a1
	Surgery date	b1
	Appointment time	b2
	Research-Data-Id	b3
Junior Doctor(c)	Jundocid	a1
	Appointment time	b2
	Surgery date	b1
	Research-data-id	b3
Patient(d)	Patientid	a1
	Pat name	d1
	Med History	d2
	Insurance information	d3
Receptionist(e)	ReceptionistId	a1
	Admitted_patient data	e1
	released <i>patient-data</i>	e2
	appointment_schedule	e3

Pharmacy(f)	User id	a1
	Med-data	f1
	Expiry data	f2
	Meds in demand	f3
Nurse(g)	Nurse_id	a1
	Nurse name	g1
	Contract-no	g2
	experience	g3
Analytical_data(h0)	Research data id	b3
	senior doctor id	a1
	Junior doctor id	a1
	Meds in demand	f3

a1	a2,a3,a4,a5,b1,b2,b3
a1,d1	d2,d3
a1,e1	e2,e3
a1,f1	f2,f3
a1,g1	g2,g3

1NF:

R1=

<u>a1</u>	<u>d1</u>	<u>e1</u>	<u>f1</u>	<u>g1</u>	a2	a3	a4	a5	b1	b2	b3	d2	d3
e2	e3	f2	f3	g2	g3								

2NF: Here, all non-key attributes are dependent on the primary key.

R10:

<u>a1</u>	a2	a3	a4	a5	b1	b2	b3
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R11:

<u>a1</u>	<u>d1</u>	d2	d2
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R12 :

<u>a1</u>	<u>e1</u>	e2	e3
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R13:

<u>a1</u>	<u>f1</u>	f2	f3
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R14:

<u>a1</u>	<u>g1</u>	g2	g3
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3NF:

R10,R11,R12,R13 and R14 already in 3nf

BCNF:

All relations already in BCNF

