Database Systems 10127 Homework Problem 2

HW02 - Shimon Desta 203670286

Table Normalization: 1nf

DoctorID	DoctorName	<u>PatientID</u>	Patient	Patient	Month	Day	Hour	Room
			First	last				
			Name	Name				
8846	Dr. Cannon	DA3467	Del	Andrus	Feb	2	8:00	414
8846	Dr. Cannon	KM2235	Ken	Moore	Feb	2	8:30	414
5032	Dr. Khoury	KM2235	Ken	Moore	Feb	2	8:00	413
5032	Dr. Khoury	JD6729	Jill	Drake	Feb	5	9:00	412
1298	Dr. Hauser	KE6662	Kris	Eddy	Feb	5	9:00	413

2nf:

<u>PatientID</u>	Patient	Patient		
	First Name	Last Name		
DA3467	Del	Andrus		
KM2235	Ken	Moore		
KM2235	Ken	Moore		
JD6729	Jill	Drake		
KE6662	Kris	Eddy		

<u>DoctorID</u>	DoctorName
8846	Dr. Cannon
8846	Dr. Cannon
5032	Dr. Khoury
5032	Dr. Khoury
1298	Dr. Hauser

DoctorID	<u>PatientID</u>	Month	Day	Hour	Room
8846	DA3467	Feb	2	8:00	414
8846	KM2235	Feb	2	8:30	414
5032	KM2235	Feb	2	8:00	413
5032	JD6729	Feb	5	9:00	412
1298	KE6662	Feb	5	9:00	413

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That there is no attribute that depends on another attribute and therefore there is no need for tables

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a: Trid (t product ID = A15 (catalog DA pouts))

b: Trume ((T product IV = A15 (Entalog Mparts)) Msuppliers)

c: Trane ((to product name = "Bicycls" ((catalog M parts) M products))...

d: Tphone (T productID = c 76 (pxxts))

e: Tphane (t products = "Scooter" (purts Da products))

f: Thame (to product ID = B \$2 (to cost & 100 (catulog) 1 parts) ...

9: TISID (TPROUCTED=BSZAMI TPROJECTED=FIE (DEOST < 100 (cutulog)) A purts)

h: Mname (torouctio = FIE du & poructio = B52 (toos < 100 (cutulog) > purts) ...

i: Tentulog. sid, R. sid (t (cutulog.cost < R. cost And entulog. pid = R. pd)...

j: Tpod (cutulog) - T cutolog. prd (R. cost < cutulog. cost (Pe (cutulog) x cutolog))