

Q: 5

Step (1) (1NF)

PK

Drug no	Name
10223	Morphine
10334	Tetracycline.

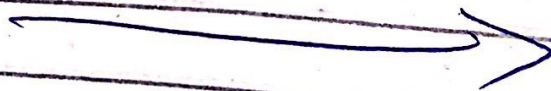
FK

Drug no	Description
10223	Pain killer
10223	Pain killer
10334	Antibiotic

FK

Drug no	Dosage	method of admin	Unit per day
"	"	"	"
"	"	"	"
"	"	"	"
"	"	"	"

So this is in first N form.



(Step 2)

2N form

Drug no	Name
10223	Miphra
10334	Tetracycln

Drug no	Description
10223	Pain
10334	Antibo

Drug no	Dosage
10223	1mg/ml
10334	0.5mg/ml

Drug no	method of admin	unit per day
10223	ORAL	50
10334	ORAL IV	10

Drug no	Start date	finish date
10223	24/03/01	24/4/2
10334	24/03/01	17/4/1
10223	25/4/2	2/5/3

So it is in 2N form

(Step 3)

3rd N Form

- table must be 2N form.
- there should not be transitive dependency.

P12

Drug no	Name
10223	Morphine
10334	Tetracycline

FK

Description ID	Description	Drugs ID
D-1	Pain killer	10223
D-2	Anti	10334
D-1	Pain killer	10223

→ FK

Dosage ID	Dosage
S-1	10mg/ml
S-2	0.5mg/ml

(P12)

Unit ID	Unit Per day	Start Date	Finished
U-1	50	24	24
U-2	10	24	17
U-1	50	25	2

it is in 3rd N form.