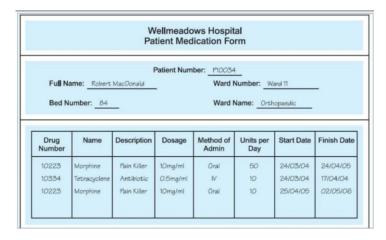
LEMBAR KERJA PRAKTIKUM (45 menit)

Nama: Athifah Muflihah	Tanggal Praktikum: 23 September 2021	
NIM : G6401201033	Waktu Praktikum: 15:30 – 17:30	
Nilai :	Nama Asisten : Muhamad Ilham Fadillah	

Soal

1. Lakukan Normalisasi form berikut ini:



- 2. The following is an unnormalized PATIENT record:
 - (PIDNO, PNAME, FAMDOCNO, DOCNAME, DOCADDR, *(APPTMT-DATE, APPTMT-TIME, CONSULTANT-NAME-CONSULTANT-PHONE, HOSPITAL, HOSPITAL-ADDR)) where * represents repeating groups of information. The business rules are:
 - On any given day, a consultant attends at just one hospital
 - On any given day, a patient will have only one appointment (APPTMT) with a given consultant
 - Patient id numbers (PIDNO) and consultant names are unque
 - Family doctor numbers (FAMDOCNO) and hospital names are unique
 - Family doctor names (DOCNAME) and patient names (PNAME) are not unique
 - Consultants have just one phone number, used as home base.

Reduce the above relation into normalized forms.

Jawab

1. Normalisasi Patient Medication Form

1NF

Patient Medication Form

Patient Number	Full Name	Ward Number	Bed Number	Drug Number	Name	Description	Dosage	Method of Admin	Units per Day	Start Date	Finisih Date
P10034	Robert MacDonald	Ward 11	84	10223	Morphine	Pain Killer	10mg/ml	Oral	50	23/03/04	24/04/05
P10034	Robert MacDonald	Ward 11	84	10334	Tertracyclene	Antibiotic	0.5mg/ml	IV	10	23/03/04	17/04/04
P10034	Robert MacDonald	Ward 11	84	10223	Morphine	Pain Killer	10mg/ml	Oral	10	25/04/04	02/05/06

2NF

Patient

Patient Number	Full Name	Bed Number	Ward Number	Ward Name
P10034	Robert MacDonald	84	Ward 11	Orthopaedic

Drug

Drug Number	<u>Number</u> Name		Method of Admin
10223	Morphine	Pain Killer	Oral
10334	Tertracyclene	Antibiotic	IV

History

Patient Number	Drug Number	Units per Day	Start Date	Finish Date
P10034	10223	50	23/03/04	24/04/05
P10034	10334	10	23/03/04	17/04/04
P10034	10223	10	25/04/04	02/05/06

3NF

Patient Medication

Patient Number	Bed Number	Ward Number	Ward Name
P10034	84	Ward 11	Orthopaedic

Patient

Patient Number				
P10034	Robert MacDonald			

Ward

Ward Number	Ward Name
Ward 11	Orthopaedic

Drug

Drug Number	mber Name Description		Method of Admin
10223	Morphine	Pain Killer	Oral
10334	Tertracyclene	Antibiotic	IV

History

Patient Number	Drug Number	Units per Day	Start Date	Finish Date
P10034	10223	50	23/03/04	24/04/05
P10034	10334	10	23/03/04	17/04/04
P10034	10223	10	25/04/04	02/05/06

2. Normalisasi Patient Record Form

1NF

Patient Record

PIDNO PNAME FAMDOCNO DOCNAME DOCADDR APPTMT-DATE APPTMT-TIME CONSULTANT-NAME CONSULTANT-PHONE HOSPITAL-NAME HOSPITAL-ADDR

2NF

Patient

<u>PIDNO</u> PNAM	FAMDOCNO	DOCNAME	DOCADDR
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Patient Record

PIDNO APPTMT-DATE APPTMT-TIME CONSULTANT-NAME CONSULTANT-PHONE HOSPITAL-NAME HOSPITAL-A	PIDNO	APPTMT-DATE	APPTMT-TIME	CONSULTANT-NAME	CONSULTANT-PHONE	HOSPITAL-NAME	HOSPITAL-ADDR
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3NF

Consultant

CONSULTANT-NAME CONSULTANT-PHONE

Hospital

HOSPITAL-NAME	HOSPITAL-ADDR
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Patient

<u>PIDNO</u>	PNAME	<u>FAMDOCNO</u>
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Family Doctor

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<u>FAMDOCNO</u>	DOCNAME	DOCADDR

Appointment

PIDNO APPTMT-DATE	APPTMT-TIME	CONSULTANT-NAME	HOSPITAL-NAME
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