Samuel Lobongtang Basis Data

Soal 1 1NF

				Soal 1 1NF							
Kode_dokter	Nama_dokter	kode_pasien	Nama_pasian	No_antrian	Tanggal_antrian	lam_Antria	nKode_suste	r Nama_Suster	ode_tindaka	Nama_tindakan	Biaya
D01	Dr. Bambang Supar	nP01	Citra Adi Negara	A01	01/05/2016	07:30	N01	Ratna Adinda	T01	Rawat inap	Rp 900.000,00
D01	Dr. Bambang Supar	nP01	Citra Adi Negara	A02	01/06/2016	08:15	N01	Ratna Adinda	T02	Rawat Jalan	Rp 500.000,00
D01	Dr. Bambang Supar	nP02	Davin Yusuf Wica	A03	01/07/2016	09:00	N01	Ratna Adinda	T02	Rawat Jalan	Rp 500.000,00
D01	Dr. Bambang Supar	nP02	Davin Yusuf Wic	a A04	02/05/2016	10:00	N02	Mirna Putri	T01	Rawat inap	Rp 700.000,00
D01	Dr. Bambang Supar	nP03	Dimas Andre Isw	A05	02/06/2016	11:06	N03	Soleh	T01	Rawat inap	Rp 900.000,00
D01	Dr. Bambang Supar	nP03	Dimas Andre Isw	A06	02/07/2016	11:15	N04	Dian Saputri	T02	Rawat Jalan	Rp 240.000,00
D02	Dr.Renny Saraswati	P04	Dodi Subakti	A07	03/05/2016	13:00	N04	Dian Saputri	T02	Rawat Jalan	Rp 900.000,00
D02	Dr.Renny Saraswati	P04	Dodi Subakti	A08	03/06/2016	11:05	N04	Dian Saputri	T01	Rawat inap	Rp 700.000,00
D02	Dr.Renny Saraswati	P05	Budi	A09	03/07/2016	07:00	N05	Remi Widodo	T02	Rawat Jalan	Rp 500.000,00
D03	Dr.Sadiman Emanue	P06	Fabiola Ester To	m A01	01/05/2016	07:30	N01	Ratna Adinda	T01	Rawat inap	Rp 500.000,00
D03	Dr.Sadiman Emanue	P06	Fabiola Ester To ^t	m A02	01/06/2016	08:15	N01	Ratna Adinda	T02	Rawat Jalan	Rp 150.000,00
D03	Dr.Sadiman Emanue	P07	Fathiya Widya R	a A03	01/07/2016	09:00	N01	Ratna Adinda	T02	Rawat Jalan	Rp 700.000,00
D03	Dr.Sadiman Emanue	P07	Fathiya Widya R	a A04	02/05/2016	09:10	N02	Mirna Putri	T01	Rawat inap	Rp 400.000,00
D03	Dr.Sadiman Emanue	P08	Freda Pratama	A05	02/06/2016	08:00	N03	Soleh	T01	Rawat inap	Rp 800.000,00
D03	Dr.Sadiman Emanue	P08	Freda Pratama	A06	02/07/2016	09:00	N04	Dian Saputri	T02	Rawat Jalan	Rp 500.000,00
D04	Dr.Sri Wahyuni	P09	Gita Eka Febrian	a A07	03/05/2016	10:00	N04	Dian Saputri	T02	Rawat Jalan	Rp 250.000,00
D04	Dr.Sri Wahyuni	P09	Gita Eka Febrian	a A08	03/06/2016	11:00	N04	Dian Saputri	T01	Rawat inap	Rp 350.000,00
D04	Dr.Sri Wahyuni	P10	Fryda Rizkyta Ar	d A09	03/07/2016	11:00	N05	Remi Widodo	T02	Rawat Jalan	Rp 600.000,00
D05	Dr.Rangga Aditya	P11	Theofani azari	A07	03/05/2016	09:10	N04	Dian Saputri	T02	Rawat Jalan	Rp 900.000,00
D05	Dr.Rangga Aditya	P11	Theofani azari	A08	03/06/2016	08:00	N04	Dian Saputri	T01	Rawat inap	Rp 700.000,00
D05	Dr.Rangga Aditya	P12	Salsabilla	A09	03/07/2016	09:00	N05	Remi Widodo	T02	Rawat Jalan	Rp 500.000,00
D06	Dr.Hartono	P13	Zaza Maulidya	A01	01/05/2016	07:30	N01	Ratna Adinda	T01	Rawat inap	Rp 600.000,00
D06	Dr.Hartono	P13	Zaza Maulidya	A02	01/06/2016	08:15	N01	Ratna Adinda	T02	Rawat Jalan	Rp 150.000,00
D06	Dr.Hartono	P14	Nur Cholis Efend	A03	01/07/2016	09:00	N01	Ratna Adinda	T02	Rawat Jalan	Rp 700.000,00
D06	Dr.Hartono	P14	Nur Cholis Efend	A04 2NF	02/05/2016	10:00	N02	Mirna Putri	T01	Rawat inap	Rp 600.000,00

Tabel Antriar

 $\underline{\{\mathsf{kode_dokter}, \mathsf{kode_pasien}, \mathsf{kode_suster}, \mathsf{kode_tindakan}, \mathsf{no_antrian}, \mathsf{tgl_antrian}\}}$

Kode_dokter	kode_pasien	Kode_suster	Kode_tindakan	No_antrian	Tanggal_antriar	Jam_Antrian
D01	P01	N01	T01	A01	01/05/2016	07:30
D01	P01	N01	T02	A02	01/06/2016	08:15
D01	P02	N01	T02	A03	01/07/2016	09:00
D01	P02	N02	T01	A04	02/05/2016	10:00
D01	P03	N03	T01	A05	02/06/2016	11:06
D01	P03	N04	T02	A06	02/07/2016	11:15
D02	P04	N04	T02	A07	03/05/2016	13:00
D02	P04	N04	T01	A08	03/06/2016	11:05
D02	P05	N05	T02	A09	03/07/2016	07:00
D03	P06	N01	T01	A01	01/05/2016	07:30
D03	P06	N01	T02	A02	01/06/2016	08:15
D03	P07	N01	T02	A03	01/07/2016	09:00
D03	P07	N02	T01	A04	02/05/2016	09:10
D03	P08	N03	T01	A05	02/06/2016	08:00
D03	P08	N04	T02	A06	02/07/2016	09:00
D04	P09	N04	T02	A07	03/05/2016	10:00
D04	P09	N04	T01	A08	03/06/2016	11:00
D04	P10	N05	T02	A09	03/07/2016	11:00
D05	P11	N04	T02	A07	03/05/2016	09:10
D05	P11	N04	T01	A08	03/06/2016	08:00
D05	P12	N05	T02	A09	03/07/2016	09:00
D06	P13	N01	T01	A01	01/05/2016	07:30
D06	P13	N01	T02	A02	01/06/2016	08:15
D06	P14	N01	T02	A03	01/07/2016	09:00
D06	P14	N02	T01	A04	02/05/2016	10:00

Tabel Dokter Tabel Pasien

Kode_dokter	Nama_dokter		kode_pasien	Nama_pasian
D01	Dr. Bambang	1	P01	Citra Adi Negara
	Suparman	_	P02	Davin Yusuf Wicaksana
D02	Dr.Renny Saraswati		P03	Dimas Andre Iswahyudi
D03	Dr.Sadiman		P04	Dodi Subakti
	Emanuel	1	P05	Budi
D04	Dr.Sri Wahyuni		P06	Fabiola Ester Tomasila
D05	Dr.Rangga Aditya		P07	Fathiya Widya Rahman
D06	Dr.Hartono] ,	P08	Freda Pratama Putra
{kode_dokter,nama_	dokter} {kode_pa	isien, nama_pasien}	P09	Gita Eka Febriana
			P10	Fryda Rizkyta Ardiana
Kode_suster	Nama_Suster	Tabel Suster	P11	Theofani azari
N01	Ratna Adinda	{kode_suster,	P12	Salsabilla
N01	Ratna Adinda	nama_suster}	P13	Zaza Maulidya
N01	Ratna Adinda		P14	Nur Cholis Efendy
N02	Mirna Putri	N05	Remi Widodo	
N03	Soleh	N01	Ratna Adinda	
N04	Dian Saputri	N01	Ratna Adinda	
N04	Dian Saputri	N01	Ratna Adinda	
N04	Dian Saputri	N02	Mirna Putri	
N05	Remi Widodo			3NF
N01	Ratna Adinda	Tabel Antrian		
N01	Ratna Adinda	{kode_dokter,kode no_antrian }	e_pasien, kode_su	uster,kode_tindakan,
N01	Ratna Adinda			
N02	Mirna Putri			
N03	Soleh			
N04	Dian Saputri			
N04	Dian Saputri			
N04	Dian Saputri			
N05	Remi Widodo			
N04	Dian Saputri			
N04	Dian Saputri			
Kode_dokter	kode_pasien	Kode_suster	Kode_tindakan	No_antrian
D01	P01	N01	T01	A01
D01	P01	N01	T02	A02
D01	P02	N01	T02	A03
D01	P02	N02	T01	A04
D01	P03	N03	T01	A05
D01	P03	N04	T02	A06
D02	P04	N04	T02	A07
D02	P04	N04	T01	A08

N04	Dian Saputri			
Kode_dokter	kode_pasien	Kode_suster	Kode_tindakan	No_antrian
D01	P01	N01	T01	A01
D01	P01	N01	T02	A02
D01	P02	N01	T02	A03
D01	P02	N02	T01	A04
D01	P03	N03	T01	A05
D01	P03	N04	T02	A06
D02	P04	N04	T02	A07
D02	P04	N04	T01	A08
D02	P05	N05	T02	A09
D03	P06	N01	T01	A01
D03	P06	N01	T02	A02
D03	P07	N01	T02	A03
D03	P07	N02	T01	A04
D03	P08	N03	T01	A05
D03	P08	N04	T02	A06
D04	P09	N04	T02	A07
D04	P09	N04	T01	A08
D04	P10	N05	T02	A09
D05	P11	N04	T02	A07
D05	P11	N04	T01	A08
D05	P12	N05	T02	A09
D06	P13	N01	T01	A01
D06	P13	N01	T02	A02
D06	P14	N01	T02	A03
D06	P14	N02	T01	A04

DETAIL_ANTRIAN

Hari	Jam ke	Kode MK	Nama MK	Kode Dosen	Nama	KLS	Ruang
					Dosen		
Senin	1-3	EL230	Fisika 1	105	Prof.Bajuri	A,B,C	AMPI
Senin	4-5	EL230	Fisika 1	105	Prof.Bajuri	C,D	AMPI

Selasa	1-3	EL440	Pemrograman	102	Susilowati	A,B	R1
Selasa	4-6	EL440	Pemrograman	105	Prof.Bajuri	C,D	R2
Selasa	1-3	EL450	Pancasila	109	Timbul, PhD.	E,F	R1

 $\overline{\{\text{no_antrian, tgl_antrian, jam_antrian}\}}$

kode_pasien	Nama_pasian
P01	Citra Adi Negara
P02	Davin Yusuf Wicaksana
P03	Dimas Andre Iswahyudi
P04	Dodi Subakti
P05	Budi
P06	Fabiola Ester Tomasila
P07	Fathiya Widya Rahman
P08	Freda Pratama Putra
P09	Gita Eka Febriana
P10	Fryda Rizkyta Ardiana
P11	Theofani azari
P12	Salsabilla
P13	Zaza Maulidya
P14	Nur Cholis Efendy

Jam_Antrian

		A01	01/05/2016	07:30	
		A02	01/06/2016	08:15	
		A03	01/07/2016	09:00	
Nama dokter		A04	02/05/2016	10:00	
	Dr. Bambang	A05	02/06/2016	11:06	
	Suparman	A06	02/07/2016	11:15	
	Dr.Renny Saraswati	A07	03/05/2016	13:00	
	Dr.Sadiman	A08	03/06/2016	11:05	
	Emanuel	A09	03/07/2016	07:00	
Dr.Sri Wahyuni		Tabel Dokter		Tabel	Pasien
	Dr.Rangga Aditva	{kode_dokter,	nama_dokter}	{kode_pasien,r	nama_pasien}

Tanggal_antrian

D04 Dr.Sri Wahyuni {kode_dokter,nama_dokter} Tabel Suster D05 Dr.Rangga Aditya D06 Dr.Hartono

 $Kode_dokter$

D01

D02 D03

{kode_suster,

D00	DI .Hai tollo			
nama_suster}		Kode_suster	Nama_Suster	
		N01	Ratna Adinda	
Tabel Prosedur		N02	Mirna Putri	
{kode_tindakan, nam	na_tindakan, biaya}	N03	Soleh	
Kode_tindakan	Nama_tindakan	1405	301611	
		N04	Dian Saputri	
T01	T01 Rawat inap		cop	
·		N05	Remi Widodo	
T02	Rawat Jalan			
	1	l		

No_antrian

Soal 2

Hari	Jam ke	Kode MK	Nama MK	Kode Dosen	Nama Dosen	KLS	Ruang
Senin	1-3	EL230	Fisika 1	105	Prof.Bajuri	A,B,C	AMPI
	4-5					C,D	
Selasa	1-3	EL440	Pemrograman	102	Susilowati	A,B	R1
	4-6	EL440		105	Prof.Bajuri	C,D	R2
	1-3	EL450		109	Timbul, PhD.	E,F	R1

1NF 2NF

Tabel Iam Pelaiaran

Tabel Jam Pelajaran					
Hari	Jam ke	Kode MK	Kode Dosen	KLS	Ruang
Senin	1-3	EL230	105	A,B,C	AMPI
Senin	4-5	EL230	105	C,D	AMPI
Selasa	1-3	EL440	102	A,B	R1
Selasa	4-6	EL440	105	C,D	R2
Selasa	1-3	EL450	109	E,F	R1

Tabel Mata Kuliah

{Kode_MK,Nama MK}

Kode MK	Nama MK		
EL230	Fisika 1		
EL440	Pemrograman		
FI 450	Pancasila		

Tabel Jam Pelajaran

3NF

bersam r clajaran						
Hari	Jam ke	Kode MK	<u>Kode Dosen</u>	KLS	Ruang	

Senin	1-3	EL230	105	A,B,C	AMPI
Senin	4-5	EL230	105	C,D	AMPI
Selasa	1-3	EL440	102	A,B	R1
Selasa	4-6	EL440	105	C,D	R2
Selasa	1-3	EL450	109	E,F	R1

Tabel Mata Kuliah
{Kode_MK,Nama MK}

Tabel Dosen

{Kode_Dosen, Nama_Dosen}

Kode MK	Nama MK	
EL230	Fisika 1	
EL440	Pemrograman	
EL450	Pancasila	

Kode_Dosen	Nama Dosen
105	Prof.Bajuri
102	Susilowati
109	Timbul, PhD.

Soal 3

FirstName	empCity	
Jack	New York	
Harry	Berlin	
Parker	London	

Asli

Movie	ScreeningCity	Genre
Hard Code	Los Angels	Comedy
Hard Code	New York	Comedy
Bill Durham	Santa Cruz	Drama
Bill Durham	Durham	Drama
The Code Warrier	New York	Horror

2NF

Movie	ScreeningCity
Hard Code	Los Angels
Hard Code	New York
Bill Durham	Santa Cruz
Bill Durham	Durham
The Code Warrier	New York
Movie	Genre
Hard Code	Comedy
Bill Durham	Drama
The Code Warrier	Horror

Soal 4

Asli

empNum	FirstName	empCity	deptName	deptHead
1001	Jack	New York	Accounts	Raymond
1001	Jack	New York	Technology	Donald
1002	Harry	Berlin	Accounts	Samara
1007	Parker	London	HR	Elizabeth
1007	Parker	London	Infrastructure	Tom

2 NF

empNum	FirstName		
1001	Jack		
1002	Harry		
1007	Parker		
empNum	FirstName	deptName	deptHead
1001	Jack	Accounts	Raymond
1001	Jack	Technology	Donald
1002	Harry	Accounts	Samara
1007	Parker	HR	Elizabeth
1007	Parker	Infrastructure	Tom
empNum	FirstName	empCity	
1001	Jack	New York	
1002	Harry	Berlin	
1007	Parker	London	

1007 **3NF**

empNum FirstName

1001	Jack		
1002	Harry		
1007	Parker		_
empNum	FirstName	deptName	
1001	Jack	Accounts	
1001	Jack	Technology	
1002	Harry	Accounts	
1007	Parker	HR	
1007	Parker	Infrastructure	
empNum	FirstName	deptName	deptHead
1001	Jack	Accounts	Raymond
1001	Jack	Technology	Donald
1002	Harry	Accounts	Samara
1007	Parker	HR	Elizabeth
1007	Parker	Infrastructure	Tom

4NF

empNum	FirstName	
1001	Jack	
1002	Harry	
1007	Parker	
FirstName	empCity	
Jack	New York	
Harry	Berlin	
Parker	London	
empNum	FirstName	deptName
1001	Jack	Accounts
1001	Jack	Technology
1002	Harry	Accounts
1007	Parker	HR
1007	Parker	Infrastructure
deptName	deptHead	

Accounts	Raymond		
Technology	Donald		
Accounts	Samara		
HR	Elizabeth		
Infrastructure	Tom		
empNum	FirstName	deptName	deptHead
1001	Jack	Accounts	Raymond
1001	Jack	Technology	Donald
1002	Harry	Accounts	Samara
1007	Parker	HR	Elizabeth
1007	Parker	Infrastructure	Tom