

Nama : Wildani Danial Nafis

Prodi : D-III Manajemen Informatika

NIM : 2231750007

## Praktikum

num_project	name_project	num_employee	name_employee	street_address	city	postal_code	num_jobclass	name_jobclass	chr_per_hour	hours_billed
15	Evergreen	103	June E. Arbough	Pazmaniteng 24-9	Vienna	A-1020	E01	Elec. Engineering	€ 84.50	23.8
		101	John G. News	Weihburggasse 26	Vienna	A-1020	E02	Database Designer	€ 105.00	19.4
		105	Alice K. Johnson	Pazmaniteng 25-19	Vienna	A-1020	E02	Database Designer	€ 105.00	35.7
		106	William Smithfield	Gartenweg 8	Rafing	A-1010	E03	Programmer	€ 35.75	12.6
		102	David H. Senior	Wiener Hauptstraße 10/A/4/15	Wien	A-1014	E04	System Analyst	€ 96.75	23.8
18	Amber Wave	114	Annelise Jones	Pazmaniteng 1-1	Vienna	A-1020	E05	Application Desiger	€ 48.10	24.6
		118	James J. Frommer	Gartenweg 20	Rafing	A-1010	E06	General Support	€ 18.36	45.3
		104	Anne K. Ramoras	Sterzinger Straße 1	Innsbruck	A-6020	E04	System Analyst	€ 96.75	32.4
		112	Darlene M. Smithson	Liebiggasse 5/1/5	Wien	A-1014	E07	DSS Analyst	€ 45.95	44
22	Einsten	105	Alice K. Johnson	Pazmaniteng 25-19	Vienna	A-1020	E02	Database Designer	€ 105.00	64.7
		104	Anne K. Ramoras	Sterzinger Straße 1	Innsbruck	A-6020	E04	System Analyst	€ 96.75	48.4
		113	Delbert K. Joenbrood	Liebiggasse 3/1/10	Wien	A-1014	E05	Application Desiger	€ 48.10	23.6
		111	Geoff B. Wabash	Krakaudorf 32	Krakaudorf	A-8854	E08	Clerical Support	€ 26.87	22
		106	William Smithfield	Gartenweg 8	Rafing	A-1010	E03	Programmer	€ 35.75	12.8
25	Phoenix	107	Maria D. Alonzo	Krakaudorf 11	Krakaudorf	A-8854	E03	Programmer	€ 35.75	24.6
		115	Travis B. Bawangi	Liebiggasse 3/1/10	Wien	A-1014	E04	System Analyst	€ 96.75	45.8
		101	John G. News	Weihburggasse 26	Vienna	A-1020	E02	Database Designer	€ 105.00	56.3
		114	Annelise Jones	Pazmaniteng 1-1	Vienna	A-1020	E05	Application Desiger	€ 48.10	33.1
		108	Ralph B. Washington	Krakaudorf 22	Krakaudorf	A-8854	E04	System Analyst	€ 96.75	23.6
		118	James J. Frommer	Gartenweg 20	Rafing	A-1010	E06	General Support	€ 18.36	30.5
		112	Darlene M. Smithson	Liebiggasse 5/1/5	Wien	A-1014	E07	DSS Analyst	€ 45.95	41.4

# 1NF

num_project	name_project	num_employee	name_employee	street_address	city	postal_code	num_jobclass	name_jobclass	chr_per_hour	hours_billed
15	Evergreen	103	June E. Arbough	Pazmaniteng 24-9	Vienna	A-1020	E01	Elec. Engineering	€ 84.50	23.8
15	Evergreen	101	John G. News	Weihburggasse 26	Vienna	A-1020	E02	Database Designer	€ 105.00	19.4
15	Evergreen	105	Alice K. Johnson	Pazmaniteng 25-19	Vienna	A-1020	E02	Database Designer	€ 105.00	35.7
15	Evergreen	106	William Smithfield	Gartenweg 8	Rafing	A-1010	E03	Programmer	€ 35.75	12.6
15	Evergreen	102	David H. Senior	Wiener Hauptstraße 10/A/4/15	Wien	A-1014	E04	System Analyst	€ 96.75	23.8
18	Amber Wave	114	Annelise Jones	Pazmaniteng 1-1	Vienna	A-1020	E05	Application Designer	€ 48.10	24.6
18	Amber Wave	118	James J. Frommer	Gartenweg 20	Rafing	A-1010	E06	General Support	€ 18.36	45.3
18	Amber Wave	104	Anne K. Ramoras	Sterzinger Straße 1	Innsbruck	A-6020	E04	System Analyst	€ 96.75	32.4
18	Amber Wave	112	Darlene M. Smithson	Liebiggasse 5/1/5	Wien	A-1014	E07	DSS Analyst	€ 45.95	44
22	Einsten	105	Alice K. Johnson	Pazmaniteng 25-19	Vienna	A-1020	E02	Database Designer	€ 105.00	64.7
22	Einsten	104	Anne K. Ramoras	Sterzinger Straße 1	Innsbruck	A-6020	E04	System Analyst	€ 96.75	48.4
22	Einsten	113	Delbert K. Joenbrood	Liebiggasse 3/1/10	Wien	A-1014	E05	Application Designer	€ 48.10	23.6
22	Einsten	111	Geoff B. Wabash	Krakaudorf 32	Krakaudorf	A-8854	E08	Clerical Support	€ 26.87	22
22	Einsten	106	William Smithfield	Gartenweg 8	Rafing	A-1010	E03	Programmer	€ 35.75	12.8
25	Phoenix	107	Maria D. Alonzo	Krakaudorf 11	Krakaudorf	A-8854	E03	Programmer	€ 35.75	24.6
25	Phoenix	115	Travis B. Bawangi	Liebiggasse 3/1/10	Wien	A-1014	E04	System Analyst	€ 96.75	45.8
25	Phoenix	101	John G. News	Weihburggasse 26	Vienna	A-1020	E02	Database Designer	€ 105.00	56.3
25	Phoenix	114	Annelise Jones	Pazmaniteng 1-1	Vienna	A-1020	E05	Application Designer	€ 48.10	33.1
25	Phoenix	108	Ralph B. Washington	Krakaudorf 22	Krakaudorf	A-8854	E04	System Analyst	€ 96.75	23.6
25	Phoenix	118	James J. Frommer	Gartenweg 20	Rafing	A-1010	E06	General Support	€ 18.36	30.5
25	Phoenix	112	Darlene M. Smithson	Liebiggasse 5/1/5	Wien	A-1014	E07	DSS Analyst	€ 45.95	41.4

2NF

num_project	name_project
15	Evergreen
18	Amber Wave
22	Einsten
25	Phoenix

num_employee	name_employee	street_address	city	postal_code
101	John G. News	Weihburggasse 26	Vienna	A-1020
102	David H. Senior	Wiener Hauptstraße 10/A/4/15	Wien	A-1014
103	June E. Arbough	Pazmaniteng 24-9	Vienna	A-1020
104	Anne K. Ramoras	Sterzinger Straße 1	Innsbruck	A-6020
105	Alice K. Johnson	Pazmaniteng 25-19	Vienna	A-1020
106	William Smithfield	Gartenweg 8	Rafing	A-1010
107	Maria D. Alonzo	Krakaudorf 11	Krakaudorf	A-8854
108	Ralph B. Washington	Krakaudorf 22	Krakaudorf	A-8854
111	Geoff B. Wabash	Krakaudorf 32	Krakaudorf	A-8854
112	Darlene M. Smithson	Liebiggasse 5/1/5	Wien	A-1014
113	Delbert K. Joenbrood	Liebiggasse 3/1/10	Wien	A-1014
114	Annelise Jones	Pazmaniteng 1-1	Vienna	A-1020
115	Travis B. Bawangi	Liebiggasse 3/1/10	Wien	A-1014
118	James J. Frommer	Gartenweg 20	Rafing	A-1010

num_project	num_employee	num_jobclass	hours_billed
15	103	E01	23.8
15	101	E02	19.4
15	105	E02	35.7
15	106	E03	12.6
15	102	E04	23.8
18	114	E05	24.6
18	118	E06	45.3
18	104	E04	32.4
18	112	E07	44
22	105	E02	64.7
22	104	E04	48.4
22	113	E05	23.6
22	111	E08	22
22	106	E03	12.8
25	107	E03	24.6
25	115	E04	45.8
25	101	E02	56.3
25	114	E05	33.1
25	108	E04	23.6
25	118	E06	30.5
25	112	E07	41.4

num_jobclass	name_jobclass	chr_per_hour
E01	Elec. Engineering	€ 84.50
E02	Database Designer	€ 105.00
E03	Programmer	€ 35.75
E04	System Analyst	€ 96.75
E05	Application Designer	€ 48.10
E06	General Support	€ 18.36
E07	DSS Analyst	€ 45.95
E08	Clerical Support	€ 26.87

3NF

num_project	name_project
15	Evergreen
18	Amber Wave
22	Einsten
25	Phoenix

name_project	name_employee	name_jobclass
Evergreen	June E. Arbough	Elec. Engineering
Evergreen	John G. News	Database Designer
Evergreen	Alice K. Johnson	Database Designer
Evergreen	William Smithfield	Programmer
Evergreen	David H. Senior	System Analyst
Amber Wave	Annelise Jones	Application Designer
Amber Wave	James J. Fromme	General Support
Amber Wave	Anne K. Ramoras	System Analyst
Amber Wave	Darlene M. Smith	DSS Analyst
Einsten	Alice K. Johnson	Database Designer
Einsten	Anne K. Ramoras	System Analyst
Einsten	Delbert K. Joenb	Application Designer
Einsten	Geoff B. Wabash	Clerical Support
Einsten	William Smithfield	Programmer
Phoenix	Maria D. Alonzo	Programmer
Phoenix	Travis B. Bawang	System Analyst
Phoenix	John G. News	Database Designer
Phoenix	Annelise Jones	Application Designer
Phoenix	Ralph B. Washing	System Analyst
Phoenix	James J. Fromme	General Support
Phoenix	Darlene M. Smith	DSS Analyst

num_employee	name_employee	street_address	city
101	John G. News	Weihburggasse 26	Vienna
102	David H. Senior	Wiener Hauptstraße 10/A/4/15	Wien
103	June E. Arbough	Pazmaniteng 24-9	Vienna
104	Anne K. Ramoras	Sterzinger Straße 1	Innsbruck
105	Alice K. Johnson	Pazmaniteng 25-19	Vienna
106	William Smithfield	Gartenweg 8	Rafing
107	Maria D. Alonzo	Krakaudorf 11	Krakaudorf
108	Ralph B. Washington	Krakaudorf 22	Krakaudorf
111	Geoff B. Wabash	Krakaudorf 32	Krakaudorf
112	Darlene M. Smithson	Liebiggasse 5/1/5	Wien
113	Delbert K. Joenbrood	Liebiggasse 3/1/10	Wien
114	Annelise Jones	Pazmaniteng 1-1	Vienna
115	Travis B. Bawangi	Liebiggasse 3/1/10	Wien
118	James J. Frommer	Gartenweg 20	Rafing

street_address	city	postal_code
Weihburggasse 26	Vienna	A-1020
Wiener Hauptstraße 10/A/4/15	Wien	A-1014
Pazmaniteng 24-9	Vienna	A-1020
Sterzinger Straße 1	Innsbruck	A-6020
Pazmaniteng 25-19	Vienna	A-1020
Gartenweg 8	Rafing	A-1010
Krakaudorf 11	Krakaudorf	A-8854
Krakaudorf 22	Krakaudorf	A-8854
Krakaudorf 32	Krakaudorf	A-8854
Liebiggasse 5/1/5	Wien	A-1014
Liebiggasse 3/1/10	Wien	A-1014
Pazmaniteng 1-1	Vienna	A-1020
Liebiggasse 3/1/10	Wien	A-1014
Gartenweg 20	Rafing	A-1010

num_project	num_employee	num_jobclass	hours_billed
15	103	E01	23.8
15	101	E02	19.4
15	105	E02	35.7
15	106	E03	12.6
15	102	E04	23.8
18	114	E05	24.6
18	118	E06	45.3
18	104	E04	32.4
18	112	E07	44
22	105	E02	64.7
22	104	E04	48.4
22	113	E05	23.6
22	111	E08	22
22	106	E03	12.8
25	107	E03	24.6
25	115	E04	45.8
25	101	E02	56.3
25	114	E05	33.1
25	108	E04	23.6
25	118	E06	30.5
25	112	E07	41.4

name_employee	name_jobclass	chr_per_hour
June E. Arbough	Elec. Engineering	€ 84.50
John G. News	Database Designer	€ 105.00
Alice K. Johnson	Database Designer	€ 105.00
William Smithfield	Programmer	€ 35.75
David H. Senior	System Analyst	€ 96.75
Annelise Jones	Application Designer	€ 48.10
James J. Frommer	General Support	€ 18.36
Anne K. Ramoras	System Analyst	€ 96.75
Darlene M. Smithson	DSS Analyst	€ 45.95
Delbert K. Joenbrood	Application Designer	€ 48.10
Geoff B. Wabash	Clerical Support	€ 26.87
Maria D. Alonzo	Programmer	€ 35.75
Travis B. Bawangi	System Analyst	€ 96.75
Ralph B. Washington	System Analyst	€ 96.75

num_jobclass	name_jobclass	chr_per_hour
E01	Elec. Engineering	€ 84.50
E02	Database Designer	€ 105.00
E03	Programmer	€ 35.75
E04	System Analyst	€ 96.75
E05	Application Designer	€ 48.10
E06	General Support	€ 18.36
E07	DSS Analyst	€ 45.95
E08	Clerical Support	€ 26.87

## Tugas 1

### 1NF

No.Trans.	No.Anggota	Nama	Status	KodeBuku	Judul	Pengarang	Penerbit	ISBN	Jml	TglPinjam	TglKembali	JmlHari
12001	A-001	Budi	Tetap	B-001	Delphi	Antoni	Informatika Bandung	978-979-769-513-2	1	10/12/2016	15/12/2016	5
12001	A-001	Budi	Tetap	B-002	Visual Basic	Visual Basic	Erlangga	978-979-518-852-0	1	10/12/2016	15/12/2016	5
12001	A-001	Budi	Tetap	B-003	Foxpro	Andrea	Andi	978-979-8340-17-8	1	10/12/2016	15/12/2016	5
12002	A-002	Aulia	Tidak Tetap	B-001	Delphi	Antoni	Informatika Bandung	978-979-769-513-2	1	11/12/2016	14/12/2016	3
12002	A-002	Aulia	Tidak Tetap	B-002	Visual Basic	Joni	Erlangga	978-979-518-852-0	1	11/12/2016	14/12/2016	3
12003	A-003	Susan	Tetap	B-001	Delphi	Antoni	Informatika Bandung	978-979-769-513-2	1	12/12/2016	17/12/2016	5
12003	A-003	Susan	Tetap	B-004	Pascal	Abdul	Modula	978-979-692-046-4	1	12/12/2016	17/12/2016	5

### 2NF

No.Anggota	Nama	Status	KodeBuku	Judul	Pengarang	Penerbit	ISBN
A-001	Budi	Tetap	B-001	Delphi	Antoni	Informatika Bandung	978-979-769-513-2
A-002	Aulia	Tidak Tetap	B-002	Visual Basic	Visual Basic	Erlangga	978-979-518-852-0
A-003	Susan	Tetap	B-003	Foxpro	Andrea	Andi	978-979-8340-17-8
			B-004	Pascal	Abdul	Modula	978-979-692-046-4

  

No.Trans.	No.Anggota	KodeBuku	Jml	TglPinjam	TglKembali	JmlHari
12001	A-001	B-001	1	10/12/2016	15/12/2016	5
12001	A-001	B-002	1	10/12/2016	15/12/2016	5
12001	A-001	B-003	1	10/12/2016	15/12/2016	5
12002	A-002	B-001	1	11/12/2016	14/12/2016	3
12002	A-002	B-002	1	11/12/2016	14/12/2016	3
12003	A-003	B-001	1	12/12/2016	17/12/2016	5
12003	A-003	B-004	1	12/12/2016	17/12/2016	5

### 3NF

No.Anggota	Nama	Status
A-001	Budi	Tetap
A-002	Aulia	Tidak Tetap
A-003	Susan	Tetap

KodeBuku	Judul	Pengarang	Penerbit
B-001	Delphi	Antoni	Informatika Bandung
B-002	Visual Basic	Visual Basic	Erlangga
B-003	Foxpro	Andrea	Andi
B-004	Pascal	Abdul	Modula

No.Trans.	No.Anggota	KodeBuku	Jml	TglPinjam	TglKembali	JmlHari
12001	A-001	B-001	1	10/12/2016	15/12/2016	5
12001	A-001	B-002	1	10/12/2016	15/12/2016	5
12001	A-001	B-003	1	10/12/2016	15/12/2016	5
12002	A-002	B-001	1	11/12/2016	14/12/2016	3
12002	A-002	B-002	1	11/12/2016	14/12/2016	3
12003	A-003	B-001	1	12/12/2016	17/12/2016	5
12003	A-003	B-004	1	12/12/2016	17/12/2016	5

Penerbit	ISBN
Informatika Bandung	978-979-769-513-2
Erlangga	978-979-518-852-0
Andi	978-979-8340-17-8
Modula	978-979-692-046-4

TglPinjam	TglKembali	JmlHari
10/12/2016	15/12/2016	5
11/12/2016	14/12/2016	3
12/12/2016	17/12/2016	5

## Tugas 2

### 1NF

No	FROM	TO	FLIGHT NO.	ETA	ETD	DAY OF SERVICE	FLEET	REMARKS
1	BANDUNG	PADANG	I8 6420	06:00	07:40	DAILY	A320	DIRECT
1	BANDUNG	PALEMBANG	I8 6440	10:10	11:20	DAILY	A320	DIRECT
1	BANDUNG	MEDAN	I8 6440	10:10	13:20	DAILY	A320	VIA PALEMBANG
1	BANDUNG	PEKANBARU	I8 6450	17:30	19:10	DAILY	A320	DIRECT
2	MEDAN	PALEMBANG	I8 6441	13:50	15:30	DAILY	A320	DIRECT
2	MEDAN	BANDUNG	I8 6441	13:50	17:05	DAILY	A320	VIA PALEMBANG
3	PADANG	BANDUNG	I8 6251	08:05	09:45	DAILY	A320	DIRECT
4	PEKAN BARU	BANDUNG	I8 6451	19:35	21:15	DAILY	A320	DIRECT
5	PALEMBANG	BANDUNG	I8 6441	15:55	17:05	DAILY	A320	DIRECT
5	PALEMBANG	MEDAN	I8 6440	11:45	13:02	DAILY	A320	DIRECT
6	PONTIANAK	SINTANG	I8 200	08:00	08:45	FRIDAY & SUNDAY	ATR42	DIRECT
6	PONTIANAK	PANGKALAN BUN	I8 206	10:15	11:15	MON, FRI, SAT, SUN	ATR42	DIRECT
6	PONTIANAK	KETAPANG	I8 202	08:10	08:45	MONDAY & SATURDAY	ATR42	DIRECT
7	SINTANG	PONTIANAK	I8 201	09:00	09:45	FRIDAY & SUNDAY	ATR42	DIRECT
8	PANGKALAN BUN	PONTIANAK	I8 207	15:30	16:30	MON, FRI, SAT, SUN	ATR42	DIRECT
9	KETAPANG	PONTIANAK	I8 203	09:00	09:35	MONDAY & SATURDAY	ATR42	DIRECT

2NF

FLIGHT NO.	No	FROM	TO	ETA	ETD
I8 6420	1	BANDUNG	PADANG	06:00	07:40
I8 6440	1	BANDUNG	PALEMBANG	10:10	11:20
I8 6440	1	BANDUNG	MEDAN	10:10	13:20
I8 6450	1	BANDUNG	PEKANBARU	17:30	19:10
I8 6441	2	MEDAN	PALEMBANG	13:50	15:30
I8 6441	2	MEDAN	BANDUNG	13:50	17:05
I8 6251	3	PADANG	BANDUNG	08:05	09:45
I8 6451	4	PEKAN BARU	BANDUNG	19:35	21:15
I8 6441	5	PALEMBANG	BANDUNG	15:55	17:05
I8 6440	5	PALEMBANG	MEDAN	11:45	13:02
I8 200	6	PONTIANAK	SINTANG	08:00	08:45
I8 206	6	PONTIANAK	PANGKALAN BUN	10:15	11:15
I8 202	6	PONTIANAK	KETAPANG	08:10	08:45
I8 201	7	SINTANG	PONTIANAK	09:00	09:45
I8 207	8	PANGKALAN BUN	PONTIANAK	15:30	16:30
I8 203	9	KETAPANG	PONTIANAK	09:00	09:35

FLIGHT NO.	FLEET
I8 6420	A320
I8 6440	A320
I8 6450	A320
I8 6441	A320
I8 6251	A320
I8 6451	A320
I8 6441	A320
I8 6440	A320
I8 200	ATR42
I8 206	ATR42
I8 202	ATR42
I8 201	ATR42
I8 207	ATR42
I8 203	ATR42

FLEET	DAY OF SERVICE	REMARKS
A320	DAILY	DIRECT
A320	DAILY	VIA PALEMBANG
ATR42	MON, FRI, SAT, SUN	DIRECT
ATR42	MONDAY & SATURDAY	DIRECT
ATR42	FRIDAY & SUNDAY	DIRECT



3NF

FLIGHT NO.	No	FROM	TO	ETA	ETD
I8 6420	1	BANDUNG	PADANG	06:00	07:40
I8 6440	1	BANDUNG	PALEMBANG	10:10	11:20
I8 6440	1	BANDUNG	MEDAN	10:10	13:20
I8 6450	1	BANDUNG	PEKANBARU	17:30	19:10
I8 6441	2	MEDAN	PALEMBANG	13:50	15:30
I8 6441	2	MEDAN	BANDUNG	13:50	17:05
I8 6251	3	PADANG	BANDUNG	08:05	09:45
I8 6451	4	PEKAN BARU	BANDUNG	19:35	21:15
I8 6441	5	PALEMBANG	BANDUNG	15:55	17:05
I8 6440	5	PALEMBANG	MEDAN	11:45	13:02
I8 200	6	PONTIANAK	SINTANG	08:00	08:45
I8 206	6	PONTIANAK	PANGKALAN BUN	10:15	11:15
I8 202	6	PONTIANAK	KETAPANG	08:10	08:45
I8 201	7	SINTANG	PONTIANAK	09:00	09:45
I8 207	8	PANGKALAN BUN	PONTIANAK	15:30	16:30
I8 203	9	KETAPANG	PONTIANAK	09:00	09:35

FLIGHT NO.	FLEET
I8 6420	A320
I8 6440	A320
I8 6450	A320
I8 6441	A320
I8 6251	A320
I8 6451	A320
I8 6441	A320
I8 6440	A320
I8 200	ATR42
I8 206	ATR42
I8 202	ATR42
I8 201	ATR42
I8 207	ATR42
I8 203	ATR42

FLIGHT NO.	FROM	ETA
I8 6420	BANDUNG	06:00
I8 6440	BANDUNG	10:10
I8 6450	BANDUNG	17:30
I8 6441	MEDAN	13:50
I8 6251	PADANG	08:05
I8 6451	PEKAN BARU	19:35
I8 6441	PALEMBANG	15:55
I8 6440	PALEMBANG	11:45
I8 200	PONTIANAK	08:00
I8 206	PONTIANAK	10:15
I8 202	PONTIANAK	08:10
I8 201	SINTANG	09:00
I8 207	PANGKALAN BUN	15:30
I8 203	KETAPANG	09:00

FROM	TO	REMARKS
BANDUNG	PADANG	DIRECT
BANDUNG	PALEMBANG	DIRECT
BANDUNG	MEDAN	VIA PALEMBANG
BANDUNG	PEKANBARU	DIRECT
MEDAN	PALEMBANG	DIRECT
MEDAN	BANDUNG	VIA PALEMBANG
PADANG	BANDUNG	DIRECT
PEKAN BARU	BANDUNG	DIRECT
PALEMBANG	BANDUNG	DIRECT
PALEMBANG	MEDAN	DIRECT
PONTIANAK	SINTANG	DIRECT
PONTIANAK	PANGKALAN BUN	DIRECT
PONTIANAK	KETAPANG	DIRECT
SINTANG	PONTIANAK	DIRECT
PANGKALAN BUN	PONTIANAK	DIRECT
KETAPANG	PONTIANAK	DIRECT

FLEET	REMARKS
A320	DIRECT
A320	VIA PALEMBANG
ATR42	DIRECT
ATR42	DIRECT
ATR42	DIRECT

FLEET	DAY OF SERVICE
A320	DAILY
ATR42	FRIDAY & SUNDAY
ATR42	MON, FRI, SAT, SUN
ATR42	MONDAY & SATURDAY