

## MODUL 1 – INTRODUCTION TO DATABASE

Topic : Introduction to Database  
 Objective : Students can identifies data and database system in real world  
 Time : 4 sessions  
 Method : Individual and discussion  
 Submission : **File upload to E-learning in pdf format. File name: P1-<your Nim>.pdf**

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**Class** : IF 2A Pagi  
**Date** : 1 Maret 2025

### Task 1:

The following images is an example of status posting on Facebook.



Figure 1 Facebook posting

Following table is relational Table status. Please fill data in Table 1,2,3, and 4 based on Figure 1.

Table 1 Table status

Id status	Creator	Date	Place	Status	Link
1	Budi Rahardjo	August 18 at 6:59am	Bandung	Kewarganegaraan 1.0: "Maka kalau sekarang kita masih meributkan tentang kewarganegaraan maka sebetulnya kita masih berada pada globalisasi 1.0. Sudah ketinggalan jaman."	Rahard.wordpress.com

Table 2 Table Comments

Id_Status	Id_Comment	Comment	Commentator	Date	Time
1	1	yaaay, saya sudah di 3.0 dong prof!!	Syahrul pribadi	August 18	7:17am
1	2	Karena perekonomian kita masih versi BETA, saya kira wajar jika proteksi dilakukan dengan kewarganegaraan versi RC	Pramudya Yanuanto	August 18	8:15am
1	3	Setuju pak. Soal UU kewarganegaraan ini memang framework turunan dari era Cold War dan memang harus dikaji ulang, karena negara-negara yang mengadopsi dwi kewarganegaraan terbukti banyak untungnya, terutama dari sisi ekonomi seperti india, inggris, dsb.	Iman Fattah	August 18	7:39am
1	4	Kalo memang WNA boleh jadi pejabat public, yg perlu dimasukin exparatiate adalah hakim tipikor, jaksa ama polisi	Pulung Bimasakti Ulung	August 18	9:02am

please continue filling the table comments

Table 3 reply\_comment

Id Status	Id Comment	Id_reply_comment	Comment	Commentator	Date	Time
1	2	1	Indonesia Tanah air masih versi beta	Wikan Dinar Sunindyo	August 18	8:14am
1	2	2	Nah tuh paham ... hihhihi	Pramuda Yanuanto	August 18	8:15am
1	4	1	Mungkin juga bagus, supaya gak punya hubungan keluarga (kkn) sama terdakwa ya.	Budi Rahardjo	August 18	9:12am

please continue filling the table reply\_comments

Table 4 Table User

Email	password	User_name	Profile_picture	Join_Date	Address
Budi13@gmail.com	123456	Budi Rahardjo	Budi.jpg	20 Jan 2014	Bandung
Syahrul21@gmail.com	12345	Syahrul Pribadi	Syahrul.jpg	12 Feb 2014	Kalimantan
Pramud32@gmail.com	1234	Pramudya Yanuanto	Pramudya.jpg	14 march 2014	Jakarta
Iman21@gmail.com	1237	Iman Fattah	Iman.jpg	15 April 2014	Aceh
Pulung89@gmail.com	9821	Pullung Bimasakti Ulung	pulung.jpg	27 Feb 2014	Medan
Wikandamar1@gmail.com	Wikan123	Wikan Dinar Sunindyo	wikan.jpg	10 Jan 2014	Palembang

please continue fill data in table user (use dummy data except the user name)

## Task 2


The following is example of flight search on ticketing website

### Jakarta (All Airports) → Bali / Denpasar (DPS)-Ngurah Rai International Airport

Saturday, 25 January 2020  
1 Adult | Economy

[Change search](#)

Filter: Transit Time Airline More filters Sort [See other dates](#)


**Lion**

19:45  
Jakarta (CGK)

→ → →

22:30  
Bali (DPS)


1h 45m  
direct



**Rp 738.800/pax**

[Choose](#)

[Flight Details](#)[Fare Info](#)

**Lion JT-42**  
Economy

19:45  
25 Jan 2020

1h 45m

22:30  
25 Jan 2020

Jakarta (CGK)  
Soekarno Hatta International Airport


Bali / Denpasar (DPS)  
Ngurah Rai International Airport


Aircraft Boeing 737

Seat layout 3-3

Seat pitch 31 inches (above standard)

Cabin baggage 7 kg

 Baggage (buy at booking)


**Lion**

05:00  
Jakarta (CGK)

→ → →

07:50  
Bali (DPS)


1h 50m  
direct



**Rp 842.200/pax**

[Choose](#)

[Flight Details](#)[Fare Info](#)

**Lion JT-38**  
Economy

05:00  
25 Jan 2020

1h 50m

07:50  
25 Jan 2020

Jakarta (CGK)  
Soekarno Hatta International Airport


Bali / Denpasar (DPS)  
Ngurah Rai International Airport


Aircraft Boeing 737

Seat layout 3-3

Seat pitch 29 inches (standard)

Cabin baggage 7 kg

 Baggage (buy at booking)



**Batik**

06:00  
Jakarta (CGK)

→ → →

08:50  
Bali (DPS)


1h 50m  
direct



**Rp 907.300/pax**

[Choose](#)

[Flight Details](#)[Fare Info](#)

**Batik ID-6500**  
Economy

06:00  
25 Jan 2020

1h 50m

08:50  
25 Jan 2020

Jakarta (CGK)  
Soekarno Hatta International Airport


Bali / Denpasar (DPS)  
Ngurah Rai International Airport

Aircraft Airbus A320

Seat layout 3-3

Seat pitch 32 inches (above standard)

Cabin baggage 7 kg

 Baggage 20 kg


 In-flight meal

Figure 2 Ticketing Website

1. Convert data that you see in Figure 2 into two Tables, Table Flight and Flight Details
2. Define the Attribute and data based on the Figure 2

Table Flight

Id Airplane	Class	Name Airplane	Departure	Destination	Price
JT-42	Economy	Lion	Jakarta(CGK)	Bali/Denpasar(DPS)	Rp 738.000/pax
JT-38	Economy	Lion	Jakarta(CGK)	Bali/Denpasar(DPS)	Rp 842.000/pax
ID-6500	Economy	Batik	Jakarta(CGK)	Bali/Denpasar(DPS)	Rp 907.300/pax

Table Flight Details

Id Airplane	Time	Aircraft	direct	Cabin baggage	Seat layout	Seat pitch
JT-42	19:45 – 22:30 25 Jan 2020	Boeing 737	1h 45m	7 kg (extra baggage buy at booking)	3-3	31 inches
JT-38	05:00 – 07:50 25 Jan 2020	Boeing 737	1h 50m	7kg (extra baggage buy at booking)	3-3	29 inches
ID-6500	06:00 – 08:50 25 Jan 2020	Airbus A320	1h 50m	7 kg (extra baggage 20kg) (in flight meal)	3-3	32 inches

### **Task 3**

Do the following task:

1. Choose another example of software that using database system in real world.
2. Explain the software / application main features
3. Capture main feature and identifies the relation or table that might be use in that feature as we do in Task 1 and Task 2
4. Identifies at least 3 table
5. Write on the following page
6. The software / feature that chosen **must be different for each student** in a class

In this assignment, I use the group chat interface from the social media platform Telegram. Telegram is a cloud-based instant messaging application that allows



**\*Table user**

user_id	username	email	password
101	sheytyz	<a href="mailto:shey@gmail.com">shey@gmail.com</a>	123148
102	aldo	aldo@gmail.com	145023
103	Dvaa	dvaa@gmail.com	124566
104	Nid4	nid@gmail.com	777283

**\*Table Group**

group_id	group_name	creator_id	created_at
201	Mabar Mobile Legends	109	2023-01-20 10:00:00

**\*Table message**

message_id	sender_id	receiver_id	message_text	date	time
1	103	101	Ss coba	3 March	16:05
2	102	201	Slot mid/exp glomo 85+ yang long sob	3 March	16:08
3	104	101	Kirim tinjauan trs abis itu tunggu paling lama 24 jam	3 march	16:07

**\*Table reply**

message_id	sender_id	receiver_id	message_text	date	time
1	101	103	Disini?	3 March	16:08
2	103	101	Pccc aja	3 March	16:08
3	101	103	Iya weh tinjauanya gabuisa dikirim	3 march	16:08

