MODUL PRAKTIKUM PERTEMUAN - 1

Topic   : Introduction to Database Concepts
Objective   : Students can identify 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_NIM_KelasA/B/C/D_Pagi/Malam.pdf

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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	...	Pramudya Yanuanto		

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 Danar Sunindyo	August 18	8:14am

please continue filling the table reply_comments

Table 4 Table User

Email	password	User_name	Profile_picture	Join_Date	Address
. . .		Budi Rahardjo	Budi.jpg	20 Jan 2014	Bandung

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

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Lion   19:45 → ✈ → 22:30   1h 45m   Rp 738.800/pax
         Jakarta (CGK)   Bali (DPS)   direct   Choose

Flight Details   Fare Info

Lion JT-42   ○ 19:45   Jakarta (CGK)   Aircraft Boeing 737
Economy   25 Jan 2020   Soekarno Hatta International   Seat layout 3-3
                              Airport   Seat pitch 31 inches (above standard)
               ⏱ 1h 45m   Cabin baggage 7 kg
               ● 22:30   Bali / Denpasar (DPS)   Baggage (buy at booking)
                 25 Jan 2020   Ngurah Rai International Airport

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Lion   05:00 → ✈ → 07:50   1h 50m   Rp 842.200/pax
         Jakarta (CGK)   Bali (DPS)   direct   Choose

Flight Details   Fare Info

Lion JT-38   ○ 05:00   Jakarta (CGK)   Aircraft Boeing 737
Economy   25 Jan 2020   Soekarno Hatta International   Seat layout 3-3
                              Airport   Seat pitch 29 inches (standard)
               ⏱ 1h 50m   Cabin baggage 7 kg
               ● 07:50   Bali / Denpasar (DPS)   Baggage (buy at booking)
                 25 Jan 2020   Ngurah Rai International Airport

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Batik   06:00 → ✈ → 08:50   1h 50m   Rp 907.300/pax
         Jakarta (CGK)   Bali (DPS)   direct   Choose

Flight Details   Fare Info

Batik ID-6500 ○ 06:00   Jakarta (CGK)   Aircraft Airbus A320
Economy   25 Jan 2020   Soekarno Hatta International   Seat layout 3-3
                              Airport   Seat pitch 32 inches (above standard)
               ⏱ 1h 50m   Cabin baggage 7 kg
               ● 08:50   Bali / Denpasar (DPS)   Baggage 20 kg
                 25 Jan 2020   Ngurah Rai International Airport   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

Attribute 1	Attribute 2	...		
Data 1	Data 2			

Table Flight Details

...	...			

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