Fakultas Ekonomi & Bisnis
Telkom University

Program Studi: Manajemen Bisnis Telekomunikasi & Informatika
Mata Kuliah: Data Management
Oleh: Yudi Priyadi

(Practice: Structured Query Language)

Learning Objectives

- **Students are able to explain and implement the Structured Query Language based modeling data that has been designed.**

- **Students are able to perform analysis based on design modeling diagram E-R to be converted into a physical table,**

- **Students are able to evaluate the current implementation to decide the truth of E-R diagram design into a physical table in a database using SQL structure.**

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1. Write the command to create a database with the name 'latihan1'
2. Write the command to use / activate the database.
3. Write the command to create a table named 'sumberdataku', with the structure as follows:

Nama field	Tipe	Panjang
idpeg	integer	5
nama	character	30
alamat	charakter	20
umur	integer	2

4. Write the command to insert the following records, in the table 'sumberdataku'.

idpeg	nama	alamat	umur
11111	yudi	jogjakarta	22
12222	pram	cimohay	30
13333	abuy	jogjakarta	15
14444	dika	bogor	21
15555	adela	purwodadi	19
16666	ucil	bogor	22

5. Write the command select records to display data, as follows:

nama	alamat
yudi	jogjakarta
pram	cimohay
abuy	jogjakarta
dika	bogor
adela	purwodadi
ucil	bogor

6. Write the command selecting records to display data in the field 'nama', 'alamat', and 'umur' on the table 'sumberdataku' by decending based on the criteria of 'umur'.

7. Write the command selecting records to display all the records, with the criteria of the address in the 'Bogor', for example:

idpeg	nama	alamat	umur
14444	dika	bogor	21
16666	ucil	bogor	22

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8. Write the results / output display of the execution of SQL commands mentioned below, and write an explanation:

> **select ***
> **from sumberdata**
> **where umur < 20;**

9. Write the result / output display of the execution of SQL commands mentioned below, and write an explanation:

> **select nama, alamat, umur**
> **from sumberdataku**
> **where alamat ='purwodadi' or nama ='pram';**

10. Write the commands selecting records to display all of the data, with the criteria in the address 'jogjakarta' and age greater than 20.

11. Write the commands selecting records to display data as follows: (Hint: use the "between")

nama	alamat	umur
yudi	jogjakarta	22
dika	bogor	21
ucil	bogor	22

12. Write the results / output display of the execution of SQL commands mentioned below, and write an explanation:

> **select nama, alamat, umur**
> **from sumberdataku**
> **where alamat like 'b%';**

13. Write the results / output display of the execution of SQL commands mentioned below, and write an explanation:

> **select min (umur) from sumberdataku;**

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Create group :

>> Maximum 2 students (or 1 student)

>> Instructions: do "Copas" in MS Word (sql or printscreen to output)

>> File name: first name and nim (in MS Word)

>> Send to: kumpultugasnilai@gmail.com

>> Subject: sql practice

>> Deadline: as class hours (today)

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