11/20/2024

Tugas Pertemuan Ke-8

routine

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BASIS DATA

PERTEMUAN VIII

Github: <https://github.com/Rifandy232310001TeknologiInformasi/Basis_Data-Lab>

Soal nomor 1

**SQL untuk membuat database bank:**

sql

Salin kode

CREATE DATABASE bank;

USE bank;

**Membuat tabel nasabah dan mengisinya:**

sql

Salin kode

CREATE TABLE nasabah (

id\_nasabah INT PRIMARY KEY AUTO\_INCREMENT,

nama VARCHAR(100),

alamat TEXT,

no\_telepon VARCHAR(15)

);

INSERT INTO nasabah (nama, alamat, no\_telepon)

VALUES

('John Doe', 'Jalan Mawar No.1', '081234567890'),

('Jane Smith', 'Jalan Melati No.2', '081298765432');

**Membuat tabel pegawai dan mengisinya:**

sql

Salin kode

CREATE TABLE pegawai (

id\_pegawai INT PRIMARY KEY AUTO\_INCREMENT,

nama VARCHAR(100),

jabatan VARCHAR(50),

gaji DECIMAL(10,2)

);

INSERT INTO pegawai (nama, jabatan, gaji)

VALUES

('Alice', 'Manager', 12000000.00),

('Bob', 'Staff', 7000000.00);

**Membuat tabel rekening dan mengisinya:**

sql

Salin kode

CREATE TABLE rekening (

id\_rekening INT PRIMARY KEY AUTO\_INCREMENT,

id\_nasabah INT,

saldo DECIMAL(15,2),

FOREIGN KEY (id\_nasabah) REFERENCES nasabah(id\_nasabah)

);

INSERT INTO rekening (id\_nasabah, saldo)

VALUES

(1, 5000000.00),

(2, 7500000.00);

**Membuat tabel transaksi dan mengisinya:**

sql

Salin kode

CREATE TABLE transaksi (

id\_transaksi INT PRIMARY KEY AUTO\_INCREMENT,

id\_rekening INT,

tanggal DATE,

FOREIGN KEY (id\_rekening) REFERENCES rekening(id\_rekening)

);

INSERT INTO transaksi (id\_rekening, tanggal)

VALUES

(1, '2024-11-18'),

(2, '2024-11-19');

**Membuat tabel transaksi\_detail dan mengisinya:**

sql

Salin kode

CREATE TABLE transaksi\_detail (

id\_detail INT PRIMARY KEY AUTO\_INCREMENT,

id\_transaksi INT,

jenis\_transaksi VARCHAR(50),

jumlah\_transaksi DECIMAL(15,2),

FOREIGN KEY (id\_transaksi) REFERENCES transaksi(id\_transaksi)

);

INSERT INTO transaksi\_detail (id\_transaksi, jenis\_transaksi, jumlah\_transaksi)

VALUES

(1, 'Setoran', 2000000.00),

(2, 'Penarikan', 1500000.00);

Soal nomor 2

CREATE USER 'admin\_bank'@'%' IDENTIFIED BY 'm@ut4uaja'; GRANT SELECT ON bank.nasabah TO 'admin\_bank'@'%';

Soal nomor 3

GRANT UPDATE (alamat) ON bank.nasabah TO 'admin\_bank'@'%';

Soal nomor 4

GRANT SELECT (jenis\_transaksi, jumlah\_transaksi), UPDATE (jenis\_transaksi, jumlah\_transaksi)

ON bank.transaksi\_detail TO 'admin\_bank'@'%';

Soal nomor 5

GRANT DELETE ON bank.rekening TO 'admin\_user'@'%';

Soal nomor 6

CREATE USER 'teller\_user'@'%' IDENTIFIED BY 'secure1234';

GRANT SELECT ON bank.nasabah TO 'teller\_user'@'%';

GRANT SELECT ON bank.rekening TO 'teller\_user'@'%';

Soal nomor 7

GRANT UPDATE (saldo) ON bank.rekening TO 'teller\_user'@'%';

Soal nomor 8

CREATE USER 'input\_user'@'%' IDENTIFIED BY 'secure1234';

GRANT INSERT ON bank.transaksi TO 'input\_user'@'%';

Soal nomor 9

CREATE USER 'admin\_user'@'%' IDENTIFIED BY 'securepass123';

GRANT ALL PRIVILEGES ON \*.\* TO 'admin\_user'@'%';

Soal nomor 10

CREATE USER 'user\_routine'@'%' IDENTIFIED BY 'routinepass123';

GRANT EXECUTE ON PROCEDURE bank.\* TO 'user\_routine'@'%';

GRANT CREATE ROUTINE ON bank.\* TO 'user\_routine'@'%';

GRANT ALTER ROUTINE ON bank.\* TO 'user\_routine'@'%';