11/20/2024

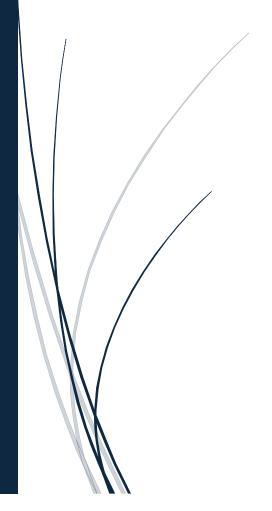
BASIS DATA

PERTEMUAN VIII

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KELAS: TI - 23 - PA (LAB 2)



Tugas Pertemuan Ke-8 ROUTINE

Github: https://github.com/Rifandy232310001Teknologilnformasi/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'@'%';