USE perpustakaan;

-- Tabel Anggota

CREATE TABLE anggota (

id INT AUTO\_INCREMENT PRIMARY KEY,

nama VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

telepon VARCHAR(15),

alamat TEXT,

tanggal\_daftar DATE DEFAULT (CURRENT\_DATE)

);

-- Tabel Buku

CREATE TABLE buku (

id INT AUTO\_INCREMENT PRIMARY KEY,

judul VARCHAR(200) NOT NULL,

penulis VARCHAR(100),

penerbit VARCHAR(100),

tahun\_terbit YEAR,

genre VARCHAR(50),

stok INT DEFAULT 0

);

-- Tabel Peminjaman

CREATE TABLE peminjaman (

id INT AUTO\_INCREMENT PRIMARY KEY,

anggota\_id INT,

buku\_id INT,

tanggal\_pinjam DATE DEFAULT (CURRENT\_DATE),

tanggal\_jatuh\_tempo DATE,

status ENUM('Dipinjam', 'Dikembalikan') DEFAULT 'Dipinjam',

FOREIGN KEY (anggota\_id) REFERENCES anggota(id) ON DELETE CASCADE,

FOREIGN KEY (buku\_id) REFERENCES buku(id) ON DELETE CASCADE

);

-- Tabel Pengembalian

CREATE TABLE pengembalian (

id INT AUTO\_INCREMENT PRIMARY KEY,

peminjaman\_id INT,

tanggal\_kembali DATE DEFAULT (CURRENT\_DATE),

denda DECIMAL(10,2) DEFAULT 0,

FOREIGN KEY (peminjaman\_id) REFERENCES peminjaman(id) ON DELETE CASCADE

);

-- Tabel Admin

CREATE TABLE admin (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

role ENUM('Admin', 'Petugas') DEFAULT 'Petugas'

);