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-- CREATE TABLE Librarians (
--     ssn CHAR(11) PRIMARY KEY,
--     name VARCHAR(255) NOT NULL,
--     email VARCHAR(255) NOT NULL UNIQUE,
--     salary NUMERIC(8, 2) NOT NULL,
--     password VARCHAR(255) NOT NULL
-- );

-- CREATE TABLE Clients (
--     email VARCHAR(255) PRIMARY KEY,
--     name VARCHAR(255) NOT NULL,
--     password VARCHAR(255) NOT NULL
-- );

-- CREATE TABLE Addresses (
--     id SERIAL PRIMARY KEY,
--     client_email VARCHAR(255) NOT NULL,
--     address TEXT NOT NULL,
--     FOREIGN KEY (client_email) REFERENCES Clients(email) ON DELETE CASCADE
-- );

-- CREATE TABLE CreditCards (
--     card_number CHAR(16) PRIMARY KEY,
--     client_email VARCHAR(255) NOT NULL,
--     payment_address_id INT NOT NULL,
--     FOREIGN KEY (client_email) REFERENCES Clients(email) ON DELETE CASCADE,
--     FOREIGN KEY (payment_address_id) REFERENCES Addresses(id) ON DELETE
-- CASCADE
-- );

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-- CREATE TABLE Documents (
--     document_id SERIAL PRIMARY KEY,
--     document_type VARCHAR(50) NOT NULL
-- );

-- CREATE TABLE Books (
--     document_id INT PRIMARY KEY,
--     title VARCHAR(255),
--     authors TEXT,
--     isbn CHAR(13) UNIQUE,

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-- publisher VARCHAR(255),
-- edition INT,
-- year INT,
-- num_pages INT,
-- borrowed_status BOOLEAN DEFAULT FALSE,
-- total_copies INT DEFAULT 0,
-- total_copies_lended INT DEFAULT 0,
-- FOREIGN KEY (document_id) REFERENCES Documents(document_id) ON DELETE
CASCADE
-- );

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-- CREATE TABLE Magazines (
-- document_id INT PRIMARY KEY,
-- magazine_name VARCHAR(255),
-- isbn CHAR(13) UNIQUE,
-- publisher VARCHAR(255),
-- year INT,
-- month INT,
-- borrowed_status BOOLEAN DEFAULT FALSE,
-- total_copies INT DEFAULT 0,
-- total_copies_lended INT DEFAULT 0,
-- FOREIGN KEY (document_id) REFERENCES Documents(document_id) ON DELETE
CASCADE
-- );

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-- CREATE TABLE Journals (
-- document_id INT PRIMARY KEY,
-- journal_name VARCHAR(255) NOT NULL,
-- publisher VARCHAR(255),
-- borrowed_status BOOLEAN DEFAULT FALSE,
-- total_copies INT DEFAULT 0,
-- total_copies_lended INT DEFAULT 0,
-- FOREIGN KEY (document_id) REFERENCES Documents(document_id) ON DELETE
CASCADE
-- );

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-- CREATE TABLE Articles (
--     article_id SERIAL PRIMARY KEY,
--     journal_id INT NOT NULL,
--     article_title VARCHAR(255) NOT NULL,
--     issue_number INT,
--     volume_number INT,
--     year INT,
--     page_numbers VARCHAR(255),
--     FOREIGN KEY (journal_id) REFERENCES Journals(document_id) ON DELETE
CASCADE
-- );
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```
-- CREATE TABLE Borrow (
--     borrow_id SERIAL PRIMARY KEY,
--     document_id INT NOT NULL,
--     client_email VARCHAR(255) NOT NULL,
--     start_date DATE NOT NULL,
--     due_date DATE NOT NULL,
--     return_date DATE,
--     copies_lended INT DEFAULT 1,
--     FOREIGN KEY (document_id) REFERENCES Documents(document_id) ON DELETE
CASCADE,
--     FOREIGN KEY (client_email) REFERENCES Clients(email) ON DELETE CASCADE
-- );
```

```
-- CREATE TABLE Transaction (
--     transaction_id SERIAL PRIMARY KEY,
--     borrow_id INT NOT NULL,
--     amount_owed DECIMAL(10, 2) DEFAULT 0.00, -- Amount owed in dollars
--     payment_status BOOLEAN DEFAULT FALSE, -- False means unpaid, True means
paid
--     FOREIGN KEY (borrow_id) REFERENCES Borrow(borrow_id) ON DELETE CASCADE
-- );
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