# **DB Assignment 2: Shiyas Ahamed S**

# **Law Firm Client Management System Database Design**

## Tables:

1. **Client**: Contains information about clients, including their unique identifier (ClientID), first name, last name, address, phone number, and email

* **ClientID** (Primary Key)
* FirstName
* LastName
* Address
* Phone
* Email

2. **Case**: Stores details about legal cases, such as CaseID, case number, type, status, date opened, and date closed.

* **CaseID** (Primary Key)
* Case Number
* Case Type
* Case Status
* Date Opened
* Date Closed

3. **Attorney**: Holds information about attorneys, including Attorney ID, name, specialty, phone number, and email.

* **Attorney ID** (Primary Key)
* Name
* Specialty
* Phone
* Email

4. **Court**: Stores information about different courts, including Court ID, court name, and location.

* **Court ID** (Primary Key)
* Court Name
* Location

5. **Client Case**: Establishes a many-to-many relationship between clients and cases, linking Client ID and Case ID, and includes a registration date.

* **Client Case ID** (Primary Key)
* Client ID (Foreign Key referencing Client)
* Case ID (Foreign Key referencing Case)
* Registration Date

6. **Case Attorney**: Establishes a many-to-many relationship between cases and attorneys, linking Case ID and Attorney ID, and includes a case assigned date.

* **Case Attorney ID** (Primary Key)
* Case ID (Foreign Key referencing Case)
* Attorney ID (Foreign Key referencing Attorney)
* Case Assigned Date

7. **Case Court**: Establishes a many-to-many relationship between cases and courts, linking Case ID and Court ID.

* **Case Court ID** (Primary Key)
* Case ID (Foreign Key referencing Case)
* Court ID (Foreign Key referencing Court)

8. **Attorney Availability Table**: Stores information about the availability of attorneys, including Attorney Availability ID, Attorney ID, and date available.

* **Attorney Availability ID** (Primary Key)
* Attorney ID (Foreign Key referencing Attorney)
* Date Available

9. **Hearing Table**: Contains details about hearings, including Hearing ID, hearing date, type, and outcome.

* **Hearing ID** (Primary Key)
* Hearing Date
* Hearing Type
* Outcome

10. **Hearing Case Table**: Establishes a many-to-many relationship between hearings and cases, linking Hearing ID and Case ID.

* **Hearing Case ID** (Primary Key)
* Hearing ID (Foreign Key referencing Hearing)
* Case ID (Foreign Key referencing Case)

11. **Hearing Attorney Table**: Establishes a many-to-many relationship between hearings and attorneys, linking Hearing ID and Attorney ID.

* **Hearing Attorney ID** (Primary Key)
* Hearing ID (Foreign Key referencing Hearing)
* Attorney ID (Foreign Key referencing Attorney)

12. **Hearing Court Table**: Establishes a many-to-many relationship between hearings and courts, linking Hearing ID and Court ID.

* **Hearing Court ID** (Primary Key)
* Hearing ID (Foreign Key referencing Hearing)
* Court ID (Foreign Key referencing Court)

Relationship Table

