Assignment 2: Design a database schema for a library system, including tables, fields, and constraints like NOT NULL, UNIQUE, and CHECK. Include primary and foreign keys to establish relationships between tables.

```sql
create table Authors(
author_id number(10) PRIMARY KEY,
name varchar2(50) NOT NULL
);

insert into Authors values(3,'Shiv kera');

select * from Authors;

create table Categories(
category_id number(10) PRIMARY KEY, category_name
varchar2(50) NOT NULL UNIQUE
);

insert into Categories values(3,'family');

select * from Categories;

create table Members(
member_id number(10) PRIMARY KEY,
name varchar2(50) NOT NULL,
email varchar2(100) NOT NULL UNIQUE,
phone varchar2(15) UNIQUE CHECK (phone != '0')
);

insert into Members values(2,'Pallavi','pallavi@gmail.com',9876543201);

select * from Members;
```

Autocommit Display 10 ▼   Save   Run

```
create table Authors
(
author_id number(10) PRIMARY KEY,
name varchar2(50) NOT NULL
);

insert into Authors values(3,'Rajmouli');

Select * from Authors
```

Results Explain Describe Saved SQL History

AUTHOR_ID	NAME
1	Chandrabose
2	Ananthsriram
3	Rajmouli

3 rows returned in 0.00 seconds   CSV Export

```
create table categories
(
category_id number(10) PRIMARY KEY,
category_name varchar2(50) NOT NULL UNIQUE
);

insert into categories values(3,'comedy');

select * from categories;
```

Results Explain Describe Saved SQL History

CATEGORY_ID	CATEGORY_NAME
1	Love
2	family
3	comedy

3 rows returned in 0.01 seconds   CSV Export

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```
create table members
(
member_id number(10) PRIMARY KEY,
name varchar2(50) NOT NULL,
email varchar2(100) NOT NULL UNIQUE,
mobile  varchar2(15) UNIQUE CHECK (mobile != '0')
);

insert into members values(3,'devaki','d@gmail.com',8876543298);

select * from members;
```

Results   Explain   Describe   Saved SQL   History

MEMBER_ID	NAME	EMAIL	MOBILE
1	salma	salma@gmail.com	9876543210
2	srilekha	s@gmail.com	8876543210
3	devaki	d@gmail.com	8876543298

3 rows returned in 0.00 seconds   CSV Export