

Assignment 3: Write SQL statements to CREATE a new database and tables that reflect the library schema you designed earlier. Use ALTER statements to modify the table structures and DROP statements to remove a redundant table.

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

```
insert into Authors values(4,'Harrley');
```

```
select * from Authors;
```

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

```
insert into Categories values(3,'Love Comedy');
```

```
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')
);
```

```
alter table Members modify email varchar2(200);
alter table Members add (Address varchar2(200));
```

```
insert into Members values(2,'bb',bb@gmail.com,0987654321);
```

```
select * from Members;
```

```
create table RedundantTable2
(
id NUMBER(10) primary key,
info VARCHAR2(100)
);
```

insert into RedundantTable2 values (1, 'abc'); select *

from RedundantTable2;

drop table RedundantTable2;

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

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

Select * from Authors

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

Results Explain Describe Saved SQL History

AUTHOR_ID	NAME
1	Chandrabose
2	Ananthsriram
3	Rajmouli

3 rows returned in 0.00 seconds

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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);

alter table members modify email varchar2(200);

select * from members;
```

Results Explain Describe Saved SQL History

Table altered.

0.00 seconds

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```
create table RedundantTable
(
id NUMBER(10) primary key,
info VARCHAR2(100)
);

insert into RedundantTable values (1, 'bss');

select * from RedundantTable;

drop table REdundantTable;
```

Results Explain Describe Saved SQL History

Table dropped.

0.07 seconds