

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.

SQL Command:

```
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;

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
create table Authors
(
  author_id number(10) PRIMARY KEY,
  name varchar2(50) NOT NULL
);
insert into Authors values(3, 'Harley');
select * from Authors;
create table Categories
(
  category_id number(10) PRIMARY KEY,
  category_name varchar2(50) NOT NULL UNIQUE
);
```

The Results window shows the output of the select query:

AUTHOR_ID	NAME
1	Jhonny
2	Bruce
3	Harley

3 rows returned in 0.00 seconds

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
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(100);
insert into Members values(2, 'bb', 'bb@gmail.com', 0987654321);
```

The Results window shows the output of the alter table statement:

Table altered.

0.02 seconds

Activities

Firefox Web Browser

May 29 09:51

SQL Commands

RAJRS20/practice

(no subject) - rajs7819@

127.0.0.1:9500/apex/f?p=4500:1003:1056017272796769::NO::

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit

Display 10

Save

Run

```
insert into Members values(2,'bb','bb@gmail.com',0907654321);
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;
```

Results

Explain

Describe

Saved SQL

History

Table dropped.

0.07 seconds

Language: en-us

Application Express 2.1.0.00.39
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