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**write an sql script file to build the design you did in the previous challenge and write all queries for show informations in website for each page \***

```
MariaDB [(none)]> create database elibrary;
```

```
Query OK, 1 row affected (0.002 sec)
```

```
MariaDB [(none)]> use elibrary;
```

```
Database changed
```

```
MariaDB [elibrary]> create table user(user_id int primary key,full_name varchar(100) not null,password varchar(10),email varchar(20) unique,gender varchar(5) check (gender in ('male','femal'))),image blob;(  
Query OK, 0 rows affected (0.070 sec)
```

```
Query OK, 0 rows affected (0.070 sec)
```

```
MariaDB [elibrary]> describe user;
```

```
+-----+-----+-----+-----+-----+  
|Field | Type | Null | Key | Default | Extra|  
+-----+-----+-----+-----+-----+  
|user_id | int(11) | NO | PRI | NULL| |  
|full_name | varchar(100) | NO | | NULL| |  
|password | varchar(10) | YES | | NULL| |  
|email | varchar(20) | YES | UNI | NULL| |  
|gender | varchar(5) | YES | | NULL| |  
|image | blob | YES | | NULL| |  
+-----+-----+-----+-----+-----+
```

```
6 rows in set (0.013 sec)
```

```
MariaDB [elibrary]> create table payment(pay_id int not null primary key,pay_method  
varchar(255) not null,tot_price decimal not null,pay_date datetime;(  
Query OK, 0 rows affected (0.039 sec)
```

```
Query OK, 0 rows affected (0.039 sec)
```

```
MariaDB [elibrary]> desc payment;
```

```

+-----+-----+-----+-----+-----+-----+
|Field | Type | Null | Key | Default | Extra|
+-----+-----+-----+-----+-----+-----+
|pay_id | int(11) | NO | PRI | NULL| |
|pay_method | varchar(255) | NO | | NULL| |
|tot_price | decimal(10,0) | NO | | NULL| |
|pay_date | datetime | YES | | NULL| |
+-----+-----+-----+-----+-----+-----+

```

4 rows in set (0.026 sec)

MariaDB [elibrary]> create table phone(phone\_id int primary key,phone\_number varchar(20));

Query OK, 0 rows affected (0.037 sec)

MariaDB [elibrary]> create table role(role\_id int primary key not null,role\_name varchar(20),role\_desc varchar(100);((

Query OK, 0 rows affected (0.037 sec)

MariaDB [elibrary]> create table ads(ads\_id int primary key not null,ads\_img blob,date datetime;((

Query OK, 0 rows affected (0.035 sec)

MariaDB [elibrary]> create table city(city\_code varchar(10) primary key not null,city\_name varchar(20);((

Query OK, 0 rows affected (0.056 sec)

MariaDB [elibrary]> create table countries(country\_id int primary key not null,country\_name varchar(15);((

Query OK, 0 rows affected (0.040 sec)

MariaDB [elibrary]> show tables;

```

+-----+
|Tables_in_elibrary|
+-----+
|ads|
|city|

```

|countries|

|payment|

|phone|

|role|

|user|

+-----+

7 rows in set (0.001 sec)

MariaDB [elibrary]> create table address(address\_id int primary key not null  
auto\_increment,street varchar(30),country\_id int ,city\_code varchar(10);((

Query OK, 0 rows affected (0.037 sec)

MariaDB [elibrary]> alter table address add constraint foreign key (country\_id) references  
countries(country\_id);

Query OK, 0 rows affected (0.110 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table address add constraint foreign key (city\_code) references  
city(city\_code);

Query OK, 0 rows affected (0.922 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> desc address;

+-----+-----+-----+-----+-----+

|Field | Type | Null | Key | Default | Extra|

+-----+-----+-----+-----+-----+

|address\_id | int(11) | NO | PRI | NULL | auto\_increment|

|street | varchar(30) | YES | | NULL| |

|country\_id | int(11) | YES | MUL | NULL| |

|city\_code | varchar(10) | YES | MUL | NULL| |

+-----+-----+-----+-----+-----+

4 rows in set (0.024 sec)

MariaDB [elibrary]> create table user\_share(user\_share\_id int primary key  
,user\_share\_name

varchar(50),date datetime,user\_id int(11);((

Query OK, 0 rows affected (0.185 sec)

```
MariaDB [elibrary]> alter table user_share add constraint foreign key (user_id) references
user(user_id);
```

Query OK, 0 rows affected (0.322 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
MariaDB [elibrary]> desc user_share;
```

Field	Type	Null	Key	Default	Extra
user_share_id	int(11)	NO	PRI	NULL	
user_share_name	varchar(50)	YES		NULL	
date	datetime	YES		NULL	
user_id	int(11)	YES	MUL	NULL	

4 rows in set (0.016 sec)

```
MariaDB [elibrary]> create table author(auth_id int primary key not null,auth_name
varchar(50),state tinyint(1),phone_id int,address_id int(11);((
```

Query OK, 0 rows affected (0.034 sec)

```
MariaDB [elibrary]> show tables;
```

Tables_in_elibrary
address
ads
author
city
countries
payment
phone
role
user

```
|user_share|
+-----+
10 rows in set (0.001 sec)
MariaDB [elibrary]> desc user_share;
+-----+-----+-----+-----+-----+-----+
|Field | Type | Null | Key | Default | Extra|
+-----+-----+-----+-----+-----+-----+
|user_share_id | int(11) | NO | PRI | NULL| |
|user_share_name | varchar(50) | YES | | NULL| |
|date | datetime | YES | | NULL| |
|user_id | int(11) | YES | MUL | NULL| |
+-----+-----+-----+-----+-----+-----+
```

4 rows in set (0.015 sec)

```
MariaDB [elibrary]> create table book(book_id int primary key not null,book_name
varchar(50),book_brice decimal,book_img blob,book_det varchar(255),auth_id
int,user_share_id int(11);((
```

Query OK, 0 rows affected (0.039 sec)

```
MariaDB [elibrary]> alter table book add constraint foreign key (auth_id) references
author(auth_id);
```

Query OK, 0 rows affected (0.075 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
MariaDB [elibrary]> alter table book add constraint foreign key (user_share_id)
references
```

```
user_share(user_share_id);
```

Query OK, 0 rows affected (0.132 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
MariaDB [elibrary]> create table cart(car_id int primary key not null,price_carr
decimal,book_id
int;((
```

Query OK, 0 rows affected (0.034 sec)

```
MariaDB [elibrary]> alter table cart add constraint foreign key (book_id) references
book(book_id);
```

Query OK, 0 rows affected (0.070 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
MariaDB [elibrary]> create table delevary(del_id int priary key not null,de_type  
varchar(20));
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that  
corresponds

to your MariaDB server version for the right syntax to use near 'key not null,de\_type  
varchar(20))' at line 1

```
MariaDB [elibrary]> create table delevary(del_id int primary key not null,de_type  
varchar(20));
```

Query OK, 0 rows affected (0.037 sec)

```
MariaDB [elibrary]> create table offer(offer_id int primary key not null,offer_type  
varchar(50),date_off datetime,state tinyint(1;((
```

Query OK, 0 rows affected (0.033 sec)

```
MariaDB [elibrary]> create table order(order_id int primary key not null,date_ord  
datetime,book_id int,del_id int;((
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that  
corresponds

to your MariaDB server version for the right syntax to use near 'order(order\_id int primary  
key

not null,date\_ord datetime,book\_id int,del\_id ...' at line 1

```
MariaDB [elibrary]> create table order(order_id int primary key not null,date_ord  
datetime);
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that  
corresponds

to your MariaDB server version for the right syntax to use near 'order(order\_id int primary  
key

not null,date\_ord datetime)' at line 1

```
MariaDB [elibrary]> create table publishing(publish_id int primary key,publish_name  
varchar(50),auth_id int,address_id int(11),phone_id int;((
```

Query OK, 0 rows affected (0.024 sec)

```
MariaDB [elibrary]> alter table publishing add constraint foreign key (phone_id)  
references
```

```
phone(phone_id);
```

Query OK, 0 rows affected (0.072 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table publishing add constraint foreign key (address\_id) references

address(address\_id);

Query OK, 0 rows affected (0.075 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table publishing add constraint foreign key (auth\_id) references

author(auth\_id);

Query OK, 0 rows affected (0.077 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> create table favorit(fav\_id int primary key,book\_id int);

Query OK, 0 rows affected (0.331 sec)

MariaDB [elibrary]> alter table favorit add constraint foreign key (book\_id) references

book(book\_id);

Query OK, 0 rows affected (0.078 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> create table orders(order\_id int primary key not null,date\_ord  
datetime,book\_id int,del\_id int);

Query OK, 0 rows affected (1.086 sec)

MariaDB [elibrary]> alter table orders add constraint foreign key (book\_id) references

book(book\_id);

Query OK, 0 rows affected (0.095 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table orders add constraint foreign key (del\_id) references

delevary(del\_id);

Query OK, 0 rows affected (1.555 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> create table catogery(cat\_id int primary key,cat\_name varchar(20));

Query OK, 0 rows affected (0.035 sec)

MariaDB [elibrary]> deck book;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds

to your MariaDB server version for the right syntax to use near 'deck book' at line 1

MariaDB [elibrary]> desc book;

```
+-----+-----+-----+-----+-----+
|Field | Type | Null | Key | Default | Extra|
+-----+-----+-----+-----+-----+
|book_id | int(11) | NO | PRI | NULL| |
|book_name | varchar(50) | YES | | NULL| |
|book_brice | decimal(10,0) | YES | | NULL| |
|book_img | blob | YES | | NULL| |
|book_det | varchar(255) | YES | | NULL| |
|auth_id | int(11) | YES | MUL | NULL| |
|user_share_id | int(11) | YES | MUL | NULL| |
+-----+-----+-----+-----+-----+
```

7 rows in set (0.010 sec)

MariaDB [elibrary]> alter table book add auth\_id int;

ERROR 1060 (42S21): Duplicate column name 'auth\_id'

MariaDB [elibrary]> alter table book add cat\_id int;

Query OK, 0 rows affected (0.014 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table book add publish\_id int;

Query OK, 0 rows affected (0.013 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table book add constraint foreign key (publish\_id) references  
publishing(publish\_id);

Query OK, 0 rows affected (0.134 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table book add constraint foreign key (cat\_id) references  
catogery(cat\_id);

Query OK, 0 rows affected (0.084 sec)



Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> desc user;

Field	Type	Null	Key	Default	Extra
user_id	int(11)	NO	PRI	NULL	
full_name	varchar(100)	NO		NULL	
password	varchar(10)	YES		NULL	
email	varchar(20)	YES	UNI	NULL	
gender	varchar(5)	YES		NULL	
image	blob	YES		NULL	

6 rows in set (0.010 sec)

MariaDB [elibrary]> show tables;

Tables_in_elibrary
address
ads
author
book
cart
catogery
city
countries
delevary
fovorit
offer
orders
payment
phone

|publishing|

|role|

|user|

|user\_share|

+-----+

18 rows in set (0.002 sec)

MariaDB [elibrary]> alter table user add address\_id int;

Query OK, 0 rows affected (0.011 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add ads\_id int;

Query OK, 0 rows affected (0.013 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add address\_id int;

Query OK, 0 rows affected (0.011 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add ads\_id int;

Query OK, 0 rows affected (0.013 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add phone\_id int;

Query OK, 0 rows affected (0.015 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add rloe\_id int;

Query OK, 0 rows affected (0.012 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add order\_id int;

Query OK, 0 rows affected (0.011 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add constraint foreign key (address\_id) references  
address(address\_id);

Query OK, 0 rows affected (0.077 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add constraint foreign key (ads\_id) references  
ads(ads\_id);

Query OK, 0 rows affected (0.106 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add constraint foreign key (phone\_id) references  
phone(phone\_id);

Query OK, 0 rows affected (0.102 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> ALTER TABLE user DROP COLUMN rloe\_id;

Query OK, 0 rows affected (0.031 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add role\_id int;

Query OK, 0 rows affected (0.011 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add constraint foreign key (role\_id) references  
role(role\_id);

Query OK, 0 rows affected (0.092 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table user add constraint foreign key (order\_id) references  
orders(order\_id);

Query OK, 0 rows affected (0.096 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> desc payment;

Field	Type	Null	Key	Default	Extra
pay_id	int(11)	NO	PRI	NULL	
pay_method	varchar(255)	NO		NULL	
tot_price	decimal(10,0)	NO		NULL	
pay_date	datetime	YES		NULL	

4 rows in set (0.011 sec)

MariaDB [elibrary]> alter table payment add user\_id int;

Query OK, 0 rows affected (0.010 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table payment add constraint foreign key (user\_id) references  
user(user\_id);

Query OK, 0 rows affected (0.068 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table payment add order\_id int;

Query OK, 0 rows affected (0.013 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> alter table payment add constraint foreign key (order\_id) references  
orders(order\_id);

Query OK, 0 rows affected (0.093 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [elibrary]> insert into catogery (cat\_id,cat\_name)values(1,'eslamic\_books');

Query OK, 1 row affected (0.033 sec)

---

SELECT `id`, `street`, `city\_code`, `country\_code` FROM `address` WHERE 1

INSERT INTO `address`(`id`, `street`, `city\_code`, `country\_code`) VALUES ([value-1],[value-2],[value-3],[value-4])

UPDATE `address` SET `id`=[value-1],`street`=[value-2],`city\_code`=[value-3],`country\_code`=[value-4] WHERE 1

DELETE FROM `address` WHERE 0

SELECT \* FROM `address` WHERE 1

..... ~^0^~

