

Task for 28-03-2022

Develop and PHP script to display following:

Create a database “Library” that and store the table values using PHP variables for the below mentioned scenario.

1. Consider the following schema for a Library Database:

- **book** (book_id(PK) [Auto Increment], title [NOT NULL], author_name, pub_year)

Optional [Do it later]

- **publisher**(pub_id(PK), book_id(FK), publishar_name [NOT NULL])
- **lending** (card_no(PK) , book_id(FK), date_out[TIMESTAMP], due_date [DATE])

- a) Create a library database using a php script.
- b) Create 3 tables as mentioned above.
- c) Use primary key and foreign key as mentioned.

2. Insert values to the tables

- Write suitable query to insert value to **books** table and *display (Optional)*. on webpage.
- Write single query to insert multiple values to **book** table.
- Write insert query to insert at the Last of the **book** table.

3. Uses prepare statement to insert values in **book table.**

4. Display all the book table values on the browser

5. Display specific book information value based on Title search.

Sample example

[Create table with primary and foreign key]

Method: 1

// sql to create **person** table

```
$sql= "CREATE TABLE person
(PersonID INTEGER PRIMARY
KEY,
LastName varchar(20),
FirstName varchar (20),
age INTEGER)";
```

// *Optional: engine=innodb;*

// sql to create **order** table

```
$sql= "CREATE TABLE order
(OrderID INTEGER PRIMARY KEY,
publisher_name varchar(20),
person_id int,
FOREIGN KEY(PersonID) REFERENCES
person (PersonID)
ON DELETE CASCADE
ON UPDATE CASCADE)";
```

Method: 2

//Alter existing table after table created without foreign key

- To create a FOREIGN KEY constraint on the "PersonID" column when the "Orders" table is already created, use the following SQL:
- ALTER TABLE Orders
ADD FOREIGN KEY (PersonID) REFERENCES Persons(PersonID);

Same Screenshot

"Persons" table:

PersonID	LastName	FirstName	Age
1	Hansen	Ola	30
2	Svendson	Tove	23
3	Pettersen	Kari	20

"Orders" table:

OrderID	OrderNumber	PersonID
1	77895	3
2	44678	3
3	22456	2