Using PHP & MySQL develop a program to accept book information, i.e. book no, title, author, edition, & publisher details from a web page & store it in a database. Also, search with a book for o the title specified by the user & display such results with proper details.

Steps to Follow:

1. Open Xampp and start Apache and Mysql.
2. Click on Apache-Admin to open your database on the browser.
3. Write a program to create a database.

[DBConnection.php]

1. Write a program to create a table in the created database.

[CreateTable.php]

1. Write a program to create a form to enter details into the table and insert the details into the table entered in the form.

[EnterBooks.php and InsertBooks.php]

1. Write a program to search for a book and display its details on the web browser.

[SearchBooks.php and DisplayBooks.php]

1. Save all the programs inside the Xampp

[File Explorer 🡪LocalDisk🡪XAMPP🡪htdocs🡪file\_name.php

(FileType: All files)]

1. To run the program open the web browser and type:

localhost/filename.php

[Run the programs in the order followed in the steps.]

1. DBConnection.php

<?php

$servername = "localhost";

$username = "root";

$password = "";

$conn=mysqli\_connect($servername, $username, $password);

$sql=" create database Books";

if(mysqli\_query($conn,$sql)){

echo"Database created successfully";

}

else

{

echo" ERROR creating a database: ".mysqli\_error($conn);

}

mysqli\_close($conn);

?>

1. CreateTable.php

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "Books";

$conn = mysqli\_connect($servername, $username, $password, $dbname);

$sql = "create table BookDetails (Book\_No varchar(100), Title varchar(100), Author varchar(108),Edition varchar(100), Publication varchar(100))";

if(mysqli\_query($conn, $sql)){

echo "Database table successfully";

}

else

{

echo "ERROR creating table: ".mysqli\_error($conn);

}

mysqli\_close($conn);

?>

1. EnterBooks.php

<!DOCTYPE HTML>

<html>

<body bgcolor="87ceeb">

<center><h2>Simple Library Management System</h2></center>

<br>

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "Books";

$conn = mysqli\_connect($servername, $username, $password, $dbname);

$isbn=$\_POST["isbn"];

$title=$\_POST["title"];

$author=$\_POST["author"];

$edition=$\_POST["edition"];

$publication=$\_POST["publication"];

$query = "insert into BookDetails(Book\_No,Title,Author,Edition,Publication) values('$isbn','$title','$author','$edition','$publication')"; //Insert query to add book details into the book\_info table

$result = mysqli\_query($conn,$query);

?>

<h3> Book information is inserted successfully </h3>

<a href="SearchBooks.php"> To search for the Book information click here </a>

</body>

</html>

1. InsertBooks.php

<!DOCTYPE HTML>

<html>

<body bgcolor="lavender">

<center><h2>Simple Library Management System</h2></center>

<form action="InsertBooks.php" method="post">

<table border="2" align="center" cellpadding="5" cellspacing="5">

<tr>

<td> Enter Book\_No :</td>

<td> <input type="text" name="isbn" size="48"> </td>

</tr>

<tr>

<td> Enter Title :</td>

<td> <input type="text" name="title" size="48"> </td>

</tr>

<tr>

<td> Enter Author :</td>

<td> <input type="text" name="author" size="48"> </td>

</tr>

<tr>

<td> Enter Edition :</td>

<td> <input type="text" name="edition" size="48"> </td>

</tr>

<tr>

<td> Enter Publication: </td>

<td> <input type="text" name="publication" size="48"> </td>

</tr>

<tr>

<td></td>

<td>

<input type="submit" value="submit">

<input type="reset" value="Reset">

</td>

</tr>

</table>

</form>

</body>

</html>

1. SearchBooks.php

<!DOCTYPE HTML>

<html>

<body bgcolor="lavender">

<center><h2>Simple Library Management System</h2></center>

<form action = "DisplayBooks.php" method="get">

<center>Enter the title of the book to be searched :

<input type="text" name="search" size="48">

<br></br>

<input type="submit" value="submit">

<input type="reset" value="Reset">

</center>

<br>

</form>

</body>

</html>

1. DisplayBooks.php

<!DOCTYPE HTML>

<html>

<body bgcolor="lavender">

<center><h2>Simple Library Management System</h2></center>

<br>

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "Books";

$conn = mysqli\_connect($servername, $username, $password, $dbname);

$search = $\_REQUEST["search"];

$query = "select Book\_No,Title,Author,Edition,Publication from BookDetails where title like '%$search%'"; //search with a book name in the table book\_info

$result = mysqli\_query($conn,$query);

if(mysqli\_num\_rows($result)>0)if(mysqli\_num\_rows($result)>0)

{

?>

<table border="2" align="center" cellpadding="5" cellspacing="5">

<tr>

<th> Book\_NO </th>

<th> Title </th>

<th> Author </th>

<th> Edition </th>

<th> Publication </th>

</tr>

<?php while($row = mysqli\_fetch\_assoc($result))

{

?>

<tr>

<td><?php echo $row["Book\_No"];?> </td>

<td><?php echo $row["Title"];?> </td>

<td><?php echo $row["Author"];?> </td>

<td><?php echo $row["Edition"];?> </td>

<td><?php echo $row["Publication"];?> </td>

</tr>

<?php

}

}

else

echo "<center>No books found in the library by the name $search </center>" ;

?>

</table>

</body>

</html>