

Program 18

Develop an application in PHP and MySQL, to accept book details viz. Book id, title, authors, edition and publisher from an HTML form in a web page and save the records in a MySQL database on submission. The program also should include a search function given the author's name, and display the search results.

book.php:

```
<!DOCTYPE html>

<html>
<head>
<title>Program 18</title>

<style>
body{
    font-family: Arial, sans-serif;
    padding: 20px;
    background: #f9f9f9;
}

h1{
    text-align: center;
}

form{
    width: 350px;
    margin: 15px auto;
    padding: 15px;
    border: 1px solid #ccc;
    background: white;
    border-radius: 5px;
}
```

```
label {  
    display: block;  
    margin-top: 10px;  
    font-weight: bold;  
}  
  
input[type="text"],  
input[type="number"] {  
    width: 100%;  
    padding: 6px;  
    margin-top: 3px;  
    border: 1px solid #aaa;  
    border-radius: 3px;  
}  
  
input[type="submit"] {  
    margin-top: 12px;  
    padding: 8px 15px;  
    border: none;  
    background: #4CAF50;  
    color: white;  
    border-radius: 4px;  
    cursor: pointer;  
}  
  
input[type="submit"]:hover {  
    background: #45a049;  
}  
  
table {  
    width: 80%;  
    margin: 20px auto;
```

```
border-collapse: collapse;
background: white;
}

th, td {
border: 1px solid #ccc;
padding: 10px;
text-align: center;
}

th {
background: #eee;
}

</style>
</head>

<body>

<h1>Book Details Form</h1>

<form method="post" action="book.php">
<label>Book Id</label>
<input type="number" name="bid">

<label>Book Title</label>
<input type="text" name="title">

<label>Book Author</label>
<input type="text" name="author">

<label>Book Edition</label>
```

```
<input type="text" name="edition">

<label>Book Publisher</label>
<input type="text" name="publisher">

<input type="submit" name="submit" value="Insert">
</form>

<form method="post" action="book.php">
<label>Search by Author</label>
<input type="text" name="author">

<input type="submit" name="search" value="Search">
</form>

<?php
$conn = mysqli_connect("localhost","root","","mits");
if(!$conn){
    echo "Connection Error : ". mysqli_connect_error();
} else {
    echo "<p style='text-align:center;color:green;'>Database Connected Successfully</p>";
}

if(isset($_POST['submit'])){
    $bid = $_POST['bid'];
    $title = $_POST['title'];
    $author = $_POST['author'];
    $edition = $_POST['edition'];
    $publisher = $_POST['publisher'];

    $sql = "INSERT INTO book VALUES('$bid','$title','$author','$edition','$publisher')";
    if(mysqli_query($conn,$sql)){

```

```
echo "<p style='text-align:center;color:blue;'>Inserted Successfully</p>";

} else {

    echo "ERROR: " . mysqli_error($conn);

}

}

if(isset($_POST['search'])){

    $author = $_POST['author'];

    $sql = "SELECT * FROM book WHERE b_author = '$author'";

    $result = mysqli_query($conn,$sql);

    if(mysqli_num_rows($result) > 0){

        echo "<table>


```

```

echo "<p style='text-align:center;color:red;'>No Record Found</p>";
}

}

mysqli_close($conn);

?>

</body>

</html>

```

OUTPUT:

Form:

The screenshot shows a web page titled "Book Details Form". It contains several input fields for book details: Book Id, Book Title, Book Author, Book Edition, and Book Publisher. Below these is a green "Insert" button. Underneath the form is a search section labeled "Search by Author" with a "Search" button. At the bottom of the page, a green message says "Database Connected Successfully".

Inserting data:

The screenshot shows the same "Book Details Form" as above, but with data entered into the fields. The Book Id field contains "3", the Book Title field contains "Man without Control", the Book Author field contains "Faseeh", the Book Edition field contains "First", and the Book Publisher field contains "Miracle Books". The "Insert" button is visible below the publisher field. The "Search by Author" section and the "Database Connected Successfully" message are also present.

Book Details Form

Book Id	<input type="text"/>
Book Title	<input type="text"/>
Book Author	<input type="text"/>
Book Edition	<input type="text"/>
Book Publisher	<input type="text"/>
<input style="background-color: #28a745; color: white; border: none; padding: 5px; border-radius: 5px; font-weight: bold; width: fit-content; height: fit-content;" type="button" value="Insert"/>	

Search by Author	<input type="text"/>
<input style="background-color: #28a745; color: white; border: none; padding: 5px; border-radius: 5px; font-weight: bold; width: fit-content; height: fit-content;" type="button" value="Search"/>	

Database Connected Successfully

Inserted Successfully

Searching data:

Search by Author	<input type="text"/>
<input style="background-color: #28a745; color: white; border: none; padding: 5px; border-radius: 5px; font-weight: bold; width: fit-content; height: fit-content;" type="button" value="Search"/>	

Database Connected Successfully

BOOK ID	TITLE	AUTHOR	EDITION	PUBLISHER
2	Key To Happiness	Faseeh	Second	Miracle Books
3	Man without Control	Faseeh	First	Miracle Books

Database:

b_id	b_title	b_author	b_edition	b_publisher
1	Wings of Fire	A. P. J. Abdul Kalam	First	Universities Press
2	Key To Happiness	Faseeh	Second	Miracle Books
3	Man without Control	Faseeh	First	Miracle Books
4	Computer Organization	William Stallings	9th	Pearson Education Ltd
5	The Joy of PHP	Alan Forbes	6th	Topper education