

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>
            <tr>
                <th>BOOK ID</th>
                <th>TITLE</th>
                <th>AUTHOR</th>
                <th>EDITION</th>
                <th>PUBLISHER</th>
            </tr>";

        while($row = mysqli_fetch_assoc($result)){
            echo "<tr>
                <td>".$row['b_id']. "</td>
                <td>".$row['b_title']. "</td>
                <td>".$row['b_author']. "</td>
                <td>".$row['b_edition']. "</td>
                <td>".$row['b_publisher']. "</td>
            </tr>";
        }

        echo "</table>";
    } else {
```

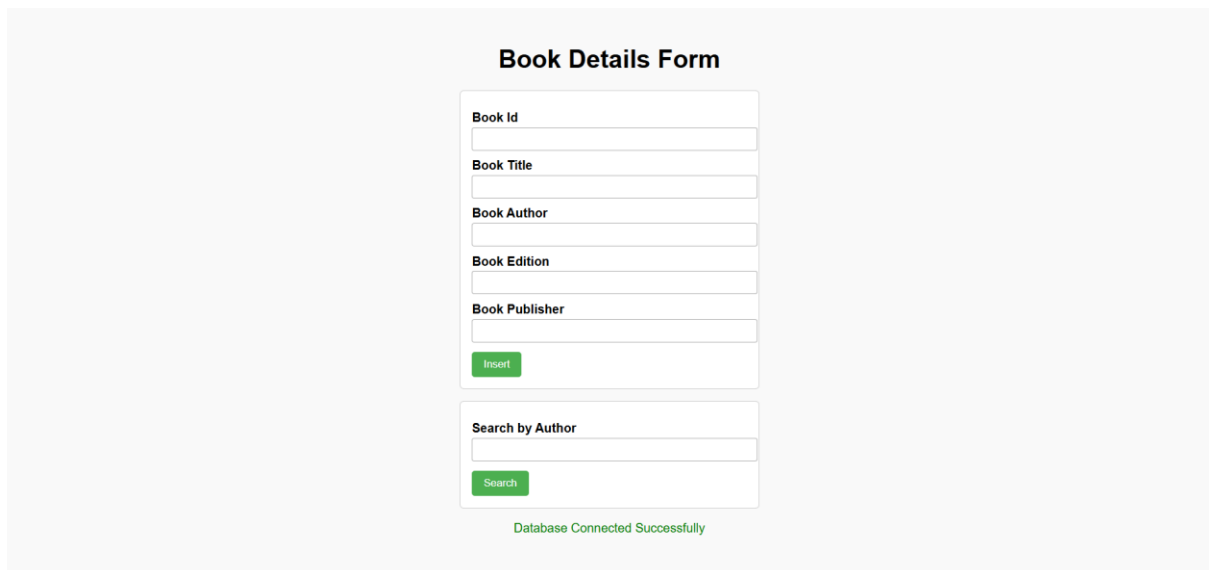
```

        echo "<p style='text-align:center;color:red;'>No Record Found</p>";
    }
}
mysqli_close($conn);
?>
</body>
</html>

```

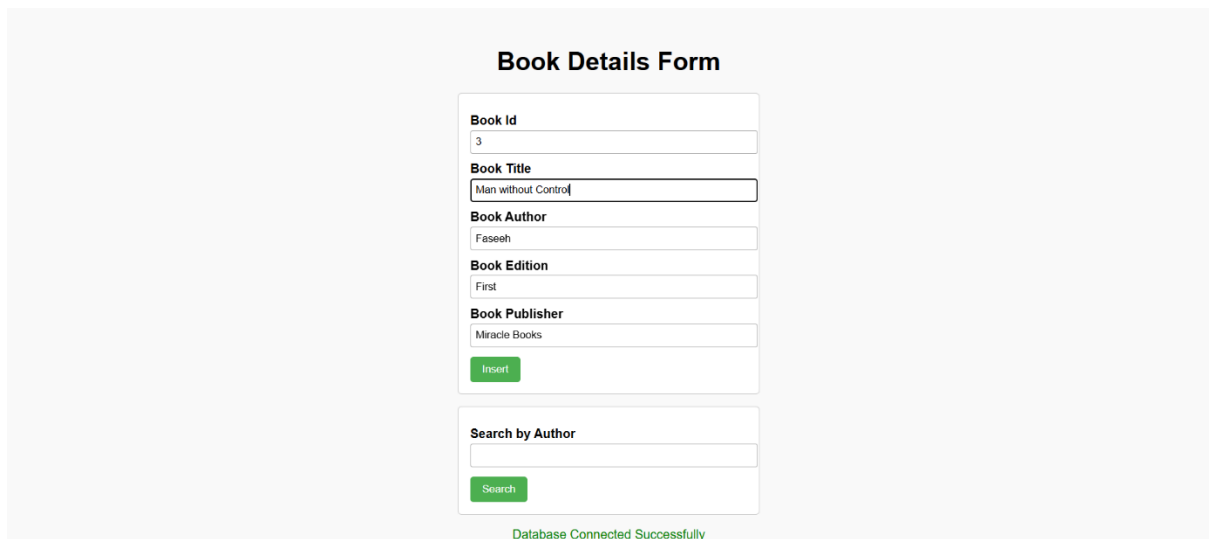
OUTPUT:

Form:



The screenshot shows a web form titled "Book Details Form". It contains two main sections. The first section has five input fields labeled "Book Id", "Book Title", "Book Author", "Book Edition", and "Book Publisher", each followed by a green "Insert" button. The second section is labeled "Search by Author" and has a single input field followed by a green "Search" button. At the bottom of the form, a green message states "Database Connected Successfully".

Inserting data:



This screenshot shows the same "Book Details Form" as the previous one, but with data entered into the input fields. The "Book Id" field contains the number "3". The "Book Title" field contains the text "Man without Control". The "Book Author" field contains the text "Faseeh". The "Book Edition" field contains the text "First". The "Book Publisher" field contains the text "Miracle Books". The green "Insert" button is still present. The "Search by Author" section remains empty. The green message at the bottom still states "Database Connected Successfully".

Book Details Form

Book Id

Book Title

Book Author

Book Edition

Book Publisher

Search by Author

Database Connected Successfully

Inserted Successfully

Searching data:

Search by Author

Database Connected Successfully

Search by Author

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 Organizatio | William Stallings | 9th | Pearson Education Li |
| 5 | The Joy of PHP | Alan Forbes | 6th | Topper education |