AIM:

i. Write a PHP program to validate the fields of the login page.

ii. Write a PHP program to validate the fields of the Registration page

PHP program to validate the fields of the login page:

```html
<html>
<body bgcolor=azure>
<form name="LoginForm" action="validate.php" method="post">
<fieldset>
<legend align=center><h2>Login Here</h2></legend>
<table cellpadding=5 align=center>
<tr>
<td>User Name</td>
<td> :</td>
<td><input type="text" name="t1" class="textbox" placeholder="Only Characters" /></td>
</tr>
<tr>
<td> Password </td>
<td> :</td>
<td><input type="Password" name="t2" class="textbox" placeholder="Max 15 characters"/></td>
</tr>
<tr>
<td ><input type="submit" class="button button1" value="LOGIN" /></td>
<td></td>
<td ><input type="reset" class="button button1" value="RESET" /></td>
```

```
</tr>

</table>

</form>

</body>

</html>
```

Php code :

```php
<?php

$user=$_POST['t1'];

$pwd=$_POST['t2'];

$uname_pat='/^[a-zA-Z0-9 ]{5,13}$/';

$pwd_pat='/^[a-zA-Z0-9@$& ]{5,13}$/';

$flag=true;

if(empty($user)) {

$flag=false;

echo "PLEASE Enter the user name ";

}

else if(empty($pwd)) {

$flag=false;

echo "PLEASE Enter the password ";

}

else if(preg_match($uname_pat,$user)==false) {

$flag=false;

echo "Please Enter UserName Format";

}

else if(preg_match($pwd_pat,$pwd)==false) {
```

```php
$flag=false;

echo "Please Enter Password Format";

}

else if($flag==true) {

echo "All Details are valid";

}

?>
```
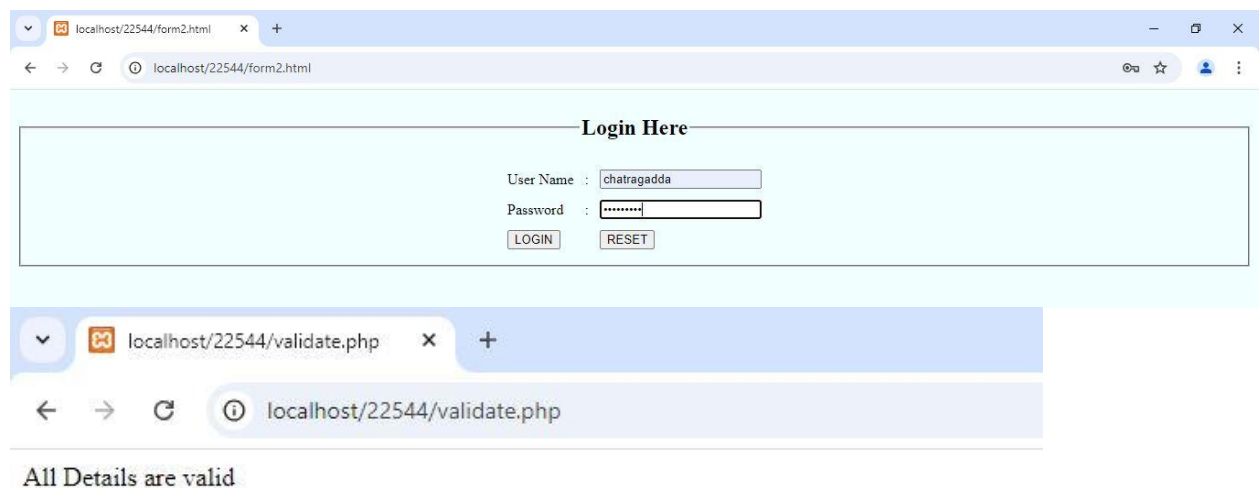

PHP program to validate the fields of the Registration page:

```html
<html>

<body bgcolor=azure>

<form name="RegistrationPage" action="validate2.php" method="post">

<fieldset>

<legend align=center><h2>REGISTER HERE</h2></legend>

<table cellpadding=5 align=center>

<tr>
```

```
<td>First Name</td>

<td> :</td>

<td><input type="text" name="t1" class ="textbox" placeholder="Only Characters" /></td>

</tr>

<tr>

<td>LastName</td>

<td> :</td>

<td><input type="text" name="t2" class ="textbox" placeholder="only characters"/></td>

</tr>

<tr>

<td> Password</td>

<td> :</td>

<td><input type="Password" name="t3" class ="textbox" placeholder="Max 15 characters"/></td>

</tr>

<tr>

<td>Contact Number</td>

<td> :</td>

<td><input type="text" name="t4" class ="textbox" placeholder="Without country code" max=10/></td>

</tr>

<tr>

<td>Email Address</td>

<td> :</td>

<td><input type="text" name="t5" class ="textbox" placeholder="Mail ID" max=35/></td>

</tr>

<tr>
```

```html
<td>Address</td>

<td> :</td>

<td>

<textarea name="t6" class ="textbox" rows=5 cols=50 >

</textarea>

</td>

</tr>

<tr>

<td>Gender</td>

<td> :</td>

<td><input type="radio" name="gender" value="male" checked> Male<br>

<input type="radio" name="gender" value="female"> Female<br>

<input type="radio" name="gender" value="other"> Other

</td>

</tr>

<tr>

<td ><input type="submit" class="button button1" value="REGISTER" /></td>

<td></td>

<td ><input type="reset" class="button button1" value="RESET" /></td>

</tr>

</table>

</form>

</body>

</html>
```
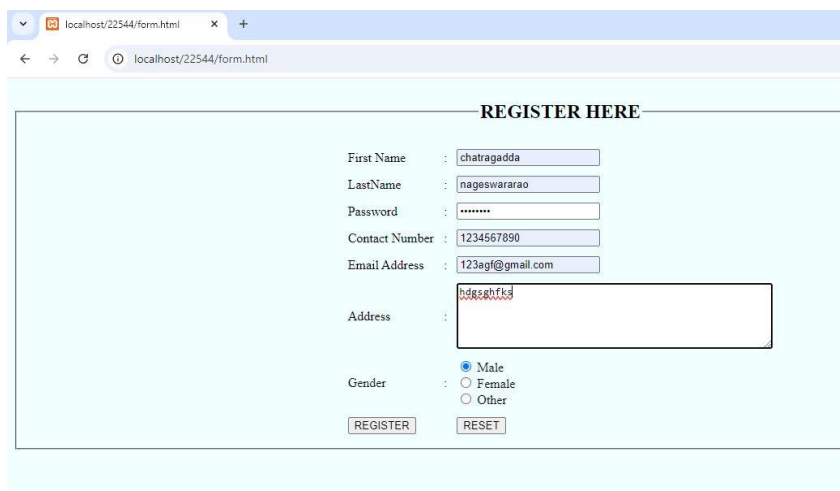
PHP PROGRAM:

```php
<?php

$fn=$_POST['t1'];

$ln=$_POST['t2'];

$pwd=$_POST['t3'];

$mob=$_POST['t4'];

$mail=$_POST['t5'];

$fn_pat='/^[a-zA-Z][a-zA-Z0-9 ]{5,30}$/';

$ln_pat='/^[a-zA-Z][a-zA-Z0-9]{5,30}$/';

$pwd_pat='/^[a-zA-Z0-9@$& ]{5,20}$/';

$mob_pat='/^\d{10}$/';

$mail_pat='/^[A-Za-z0-9]+@[A-Za-z]+.[A-Za-z]{2,4}$/';

$flag=true;

if(empty($fn)) {

$flag=false;

echo "Enter the First name PLEASE";

}

else if(empty($ln)) {

$flag=false;

echo "Enter the LastPLEASE";

}

else if(empty($pwd)) {

$flag=false;

echo "Enter the password PLEASE";

}

else if(empty($mob)) {
```

```php
$flag=false;

echo "Enter the Mobile NumberPLEASE";

}

else if(empty($mail)) {

$flag=false;

echo "Enter the E-Mail PLEASE";

}

else if(preg_match($fn_pat,$fn)==false) {

$flag=false;

echo "Please Enter First Name in Given Format";

}

else if(preg_match($ln_pat,$ln)==false) {

$flag=false;

echo "Please Enter Last Name in Given Format";

}

else if(preg_match($pwd_pat,$pwd)==false) {

$flag=false;

echo "Please Enter Password in Given Format";

}

else if(preg_match($mob_pat,$mob)==false) {

$flag=false;

echo "Please Enter Mobile in Given Format";

}

else if(preg_match($mail_pat,$mail)==false) {

$flag=false;
```

```php
echo "Please Enter Mail in Given Format";

}

else if($flag==true) {

echo "All details are valid";

}

?>
```

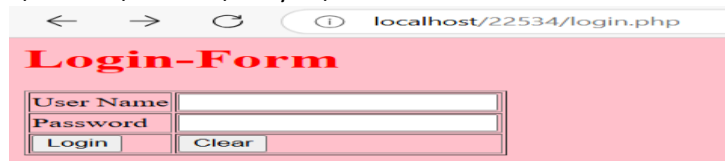**AIM: Create a user authentication application using PHP where the user submits login name and password to the server through form. The name and password are verified against the data already available in the database. i. On successful authentication, display welcome message to the user and create a new session. Otherwise display a failure message to the user**

Login.php

```
<html>
<body bgcolor="pink">
<h1 align="center"><font color="red">Login-Form</font></h1>
<table align="center" border="1">
<form action="loginverification.php" method="post">
<tr>
<td><label>User Name</td>
<td><input type="text" name="u"> </tr>
<tr>
<td><label>Password</td>
<td><input type="password" name="p"> </tr>
<tr>
<td ><input type="submit" value="Login"></td>
<td><input type="reset" value="Clear"</td> </tr>
</form> </table> </body> </html>
```


Loginverification.php

```php
<?php
$uname=$_POST['u'];
$pwd=$_POST['p'];
$servername="localhost:3306";
$username="root";
$password="";
$dbname="cse22534";
$flag=0;
$conn=mysqli_connect($servername,$username,$password,$dbname);
if(!$conn) {
   die("connection failed:".mysqli_connect_error());
}
$res=mysqli_query($conn,"select * from csea22534");
while($row=mysqli_fetch_assoc($res)) {
   $uname1=$row['username'];
   $pwd1=$row['password'];
   if($uname1==$uname) {
     if($pwd1==$pwd) {
       $flag=1;
       break;
     }
   }
```

```php
    }
}
if($flag==1){
        session_start();
        $_SESSION['sess_user']=$uname1;
        header("Location:welcome.php");
}
    else {
        header("Location:failure.php");
    }
 echo "</center>";
mysqli_close($conn); ?>
```

welcome.php
```html
<html>
<body bgcolor="pink">
<hr><b>
<h2>congrats... <font color="red"></font> you are in home page of this site </h2></b>
<hr>
</body> </html>
```
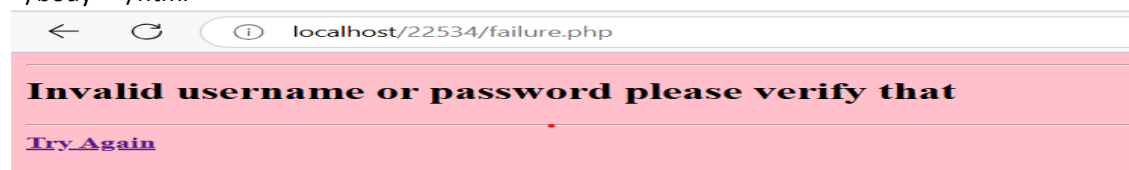

Failure.php
```html
<html>
<head> </head>
<body bgcolor="pink">
<h2><b><hr> Invalid username or password please verify that </b></h2>
<hr><a href="login.php"><b>Try Again</b></a>
</body> </html>
```

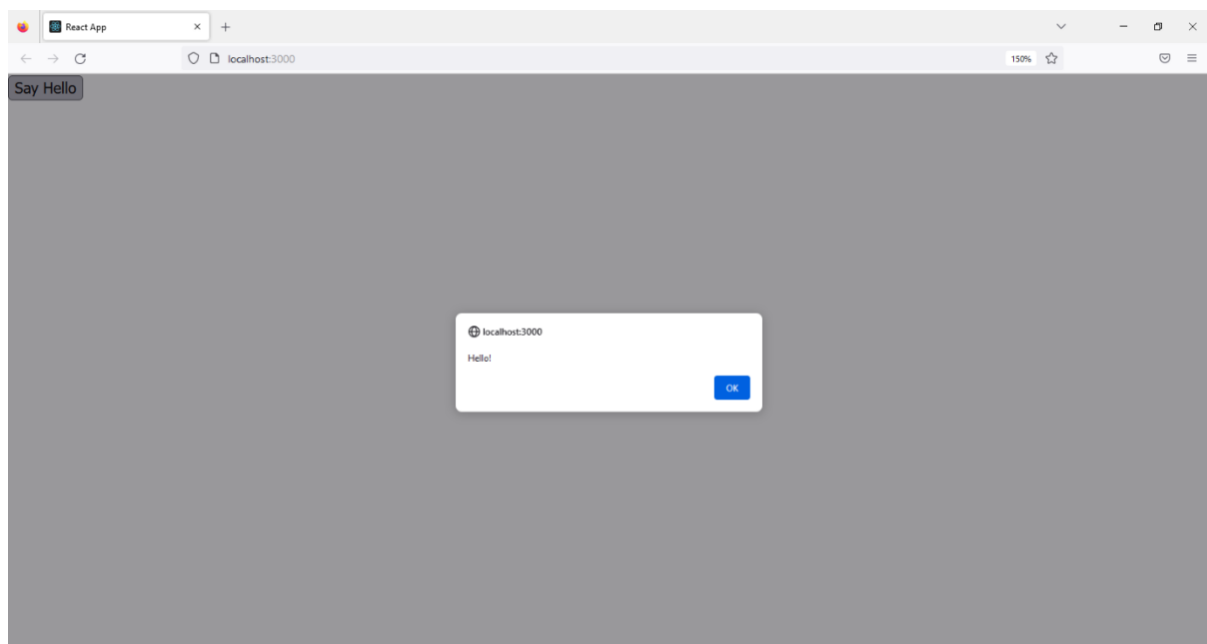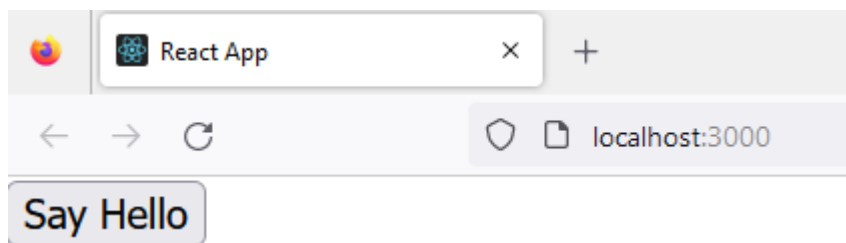# EXP NO: 11

AIM:COMPONENTS OF REACT JS

```
import React from "react";

const App = () => {
  return (
    <button onClick={() => alert("Hello!")}>Say Hello</button>
  );
};

export default App;
```


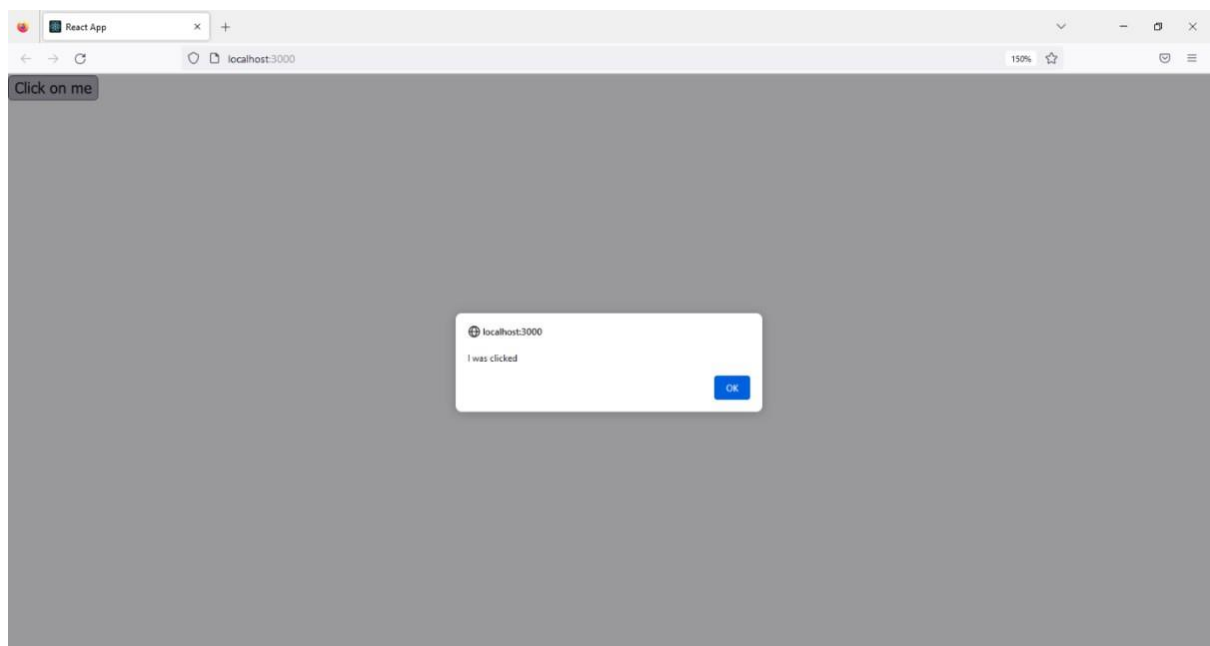## Custom components and events in React

```
import React from "react";
```

```
const CustomButton = ({ onPress }) => {
  return (
    <button type="button" onClick={onPress}>
      Click on me
    </button>
  );
};

const App = () => {
  const handleEvent = () => {
    alert("I was clicked");
  };
  return <CustomButton onPress={handleEvent} />;
};
export default App;
```
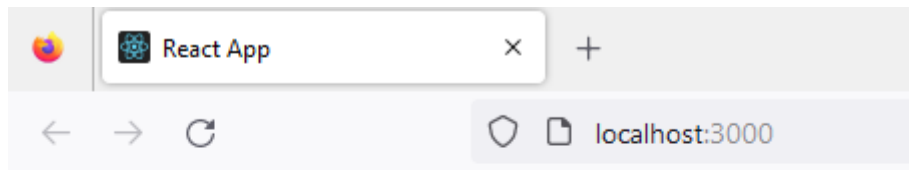

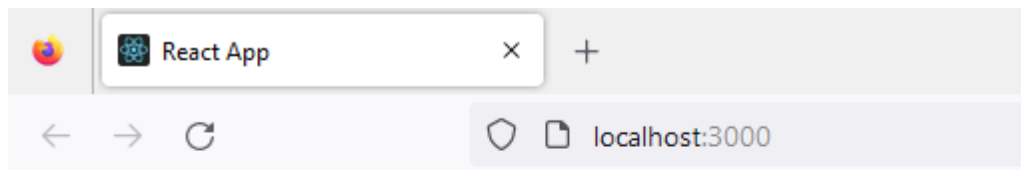## Update the state inside an `onClick` event handler
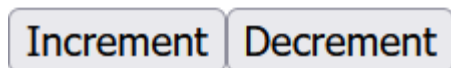
```
import React, { useState } from "react";

const App = () => {
  const [count, setCount] = useState(0);
```
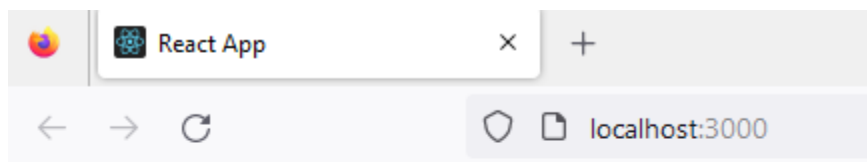
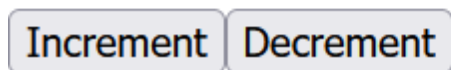```
return (
<div>
<p>{count}</p>
<button onClick={() => setCount(count + 1)}>Increment</button>
<button onClick={() => setCount(count - 1)}>Decrement</button>
</div>
);
};
export default App;
```
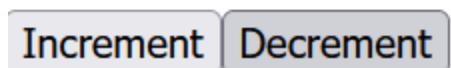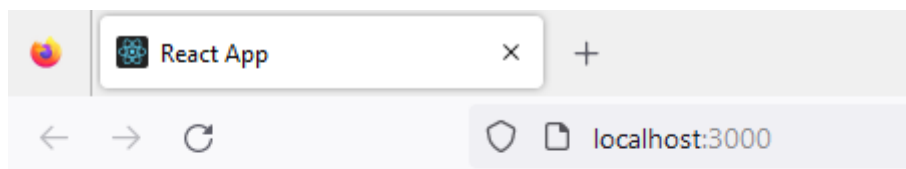


0

Increment  Decrement



4

Increment  Decrement



2

Increment  Decrement

## Call multiple functions in an `onClick` event handler

```jsx
import React, { useState } from "react";

const App = () => {
  const [count, setCount] = useState(0);
  const sayHello = () => {
    alert("Hello!");
  };

  return (
    <div>
      <p>{count}</p>
      <button
        onClick={() => {
          sayHello();
          setCount(count + 1);
        }}
      >
        Say Hello and Increment
      </button>
    </div>
  );
};

export default App;
```

React App   ×   +

←   →   C   🛡 📄 localhost:3000

4

Say Hello and Increment

Pass a parameter to an `onClick` event handler

```jsx
import React from "react";

const App = () => {
  const sayHello = (name) => {
    alert(`Hello, ${name}!`);
  };

  return (
    <button
      onClick={() => {
```

```
          sayHello("React JS");
        }}
      >
        Say Hello
      </button>
  );
};

export default App;
```

EXP NO: 9

AIM: i. To connect to the MySQL database. ii. Create new tables. iii. Insert the details of the users who register through the registration page of the online book store web site in to the database. iv. Retrieve and display data related to books stored in the tables to the user.
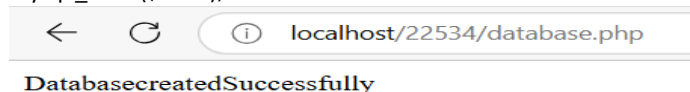
Dbconnect.php

```php
<?php
$servername="localhost";
$username="root";
$password="";
$conn=mysqli_connect($servername,$username,$password);
if(!$conn) {
die("connectionfailed:".mysqli_connect_error());
}
echo("Connected Successfully"); ?>
```
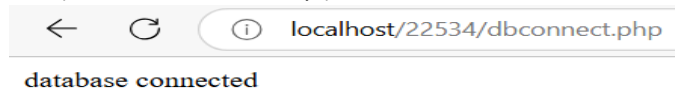
← C ⓘ localhost/22534/dbconnect.php

database connected

Dbcreate.php

```php
<?php
$servername="localhost";
$username="root";
$password="";
$conn=mysqli_connect($servername,$username,$password);if(
 !$conn) {
die("connectionfailed:".mysqli_connect_error());
}
$sql="CREATE DATABASE cse22534";
if(mysqli_query($conn,$sql)) {
echo"DatabasecreatedSuccessfully";
}
else {
echo"ErrorcreatingDatabase";
mysqli_error($conn);
}
mysqli_close($conn); ?>
```

← C ⓘ localhost/22534/database.php

DatabasecreatedSuccessfully

bookstorecreate.php

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname="cse22534";
$conn = mysqli_connect($servername, $username, $password,$dbname);
if (!$conn) {
  die("Connection failed: " . mysqli_connect_error());
}
$create1 = "create table bookstore(title varchar(30),author varchar(20),publication varchar(20),price varchar(5))";
```
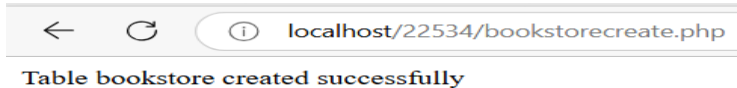
```php
if (mysqli_query($conn, $create1)) {
    echo "Table bookstore created successfully";
} else {
    echo "Error creating table: " . mysqli_error($conn);
}
mysqli_close($conn); ?>
```


Bookstoreinsert.php

```html
<html>
<body bgcolor="cyan">
<h2 >Book-Details</h2>
<form name="f1" action="insert.php" method="post">
<table border="1">
<tr>
<td><label>Book-Title</label></td>
<td><input type="text" name="bt"></td> </tr>
<tr>
<td><label>Author-Name</label></td>
<td><input type="text" name="an"></td> </tr>
<tr>
<td><label>Publisher-Details</label></td>
<td><input type="text" name="pd"></td> </tr>
<tr>
<td><label>Price</label></td>
<td><input type="text" name="price"></td> </tr>
<tr>
 <td><input type="submit" value="Store"></td>
<td><input type="reset" value="Clear"></td> </tr>
</table> </form> </body> </html>
```
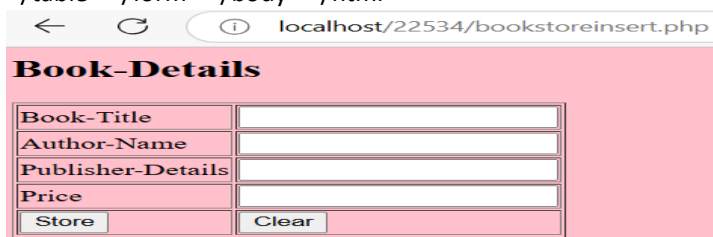

Insert.php

```php
$servername = "localhost";
$username = "root";
$password = "";
$dbname="cse22534";
$title =$_POST['bt'];
$author=$_POST['an'];
$pub=$_POST['pd'];
$price=$_POST['price'];
$conn = mysqli_connect($servername, $username, $password,$dbname);
```

```php
if (!$conn) {
  die("Connection failed: " . mysqli_connect_error());
}
$insert1 = "INSERT INTO bookstore (title, author, publication,price) VALUES ('$title', '$author',
'$pub','$price')";
if (mysqli_query($conn, $insert1)) {
    echo "New record created successfully";
} else {
    echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}
mysqli_close($conn); ?>
```
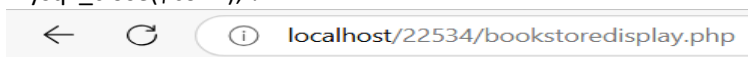

localhost/22534/insert.php

New record created successfully
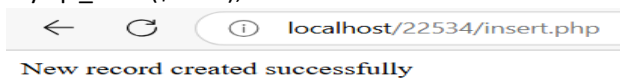
Bookstoredisplay.php
```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname="cse22534";
$conn = mysqli_connect($servername, $username, $password,$dbname);
if (!$conn) {
  die("Connection failed: " . mysqli_connect_error());
}
echo"<h1><fontcolor=red>Book-Store-Details</font></h1>";
$res=mysqli_query($conn,"select* from bookstore");
echo"<table cellpadding=7 border=2>
<tr>
<th>Title</th>
<th>Author</th><th>Publication</th>
<th>Price</th> </tr>";
while($temp=mysqli_fetch_array($res)) {
echo
"tr><td>".$temp['title']."</td><td>".$temp['author']."</td><td>".$temp['publication']."</td><td>".$
temp['price']."</td></tr>";
}
echo"</center>";
mysqli_close($conn); ?>
```


localhost/22534/bookstoredisplay.php

Book-Store-Details

Title	Author	Publication	Price
python	reema teresa	python publication	2000
c	denis richard	denis	1000