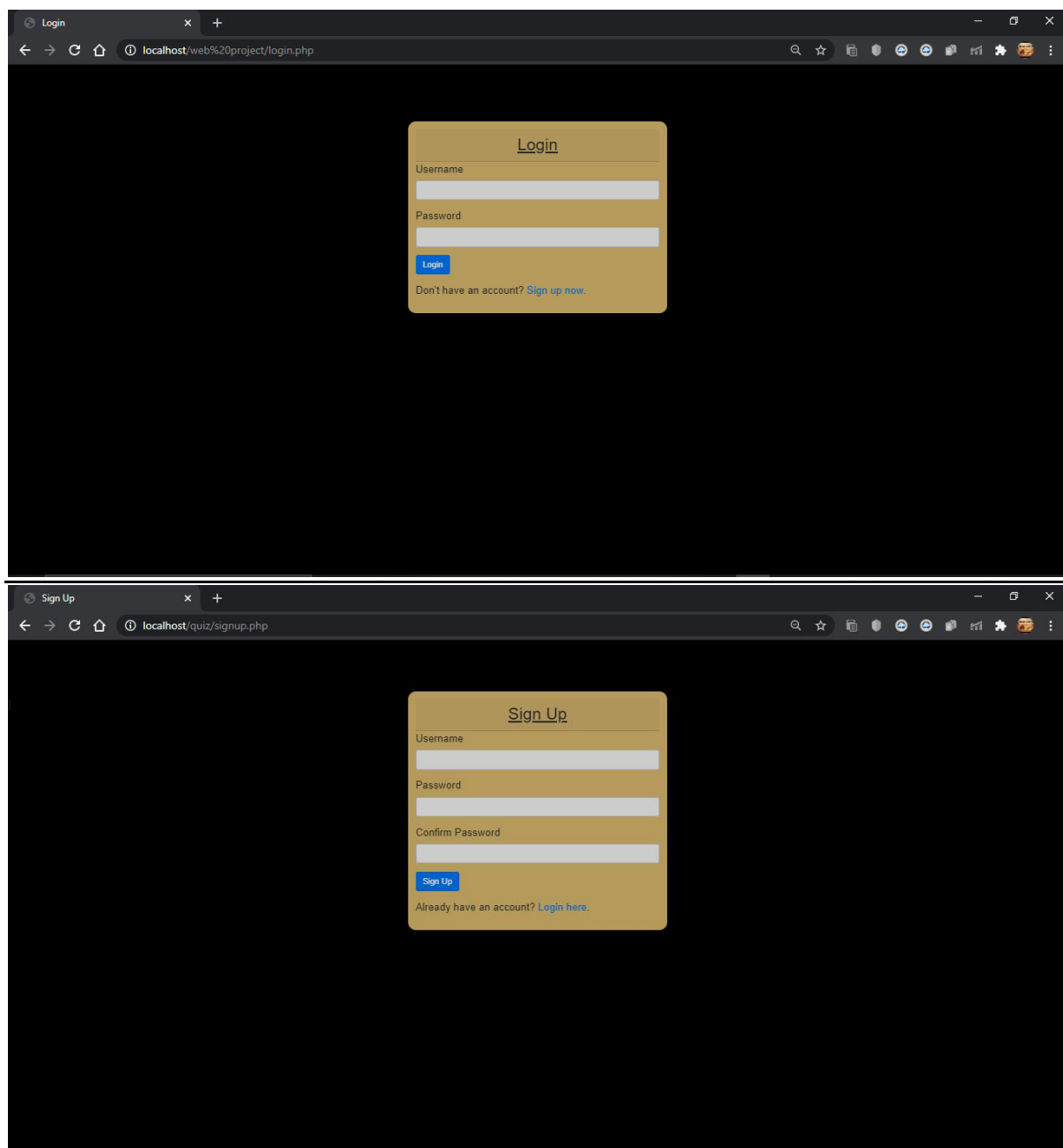


## Experiment 5: Php script

**Aim:** To make a php script for form validation. To make an HTML form and ask the user details.

**Implementation:**

**Output:**



The image displays two browser windows side-by-side, showing the output of a PHP script. The top window is titled 'Login' and shows a login form with fields for 'Username' and 'Password', a 'Login' button, and a link to 'Sign up now'. The bottom window is titled 'Sign Up' and shows a sign-up form with fields for 'Username', 'Password', and 'Confirm Password', a 'Sign Up' button, and a link to 'Login here'. Both forms are styled with a light blue background and are centered on a dark background.

**Login Form:**

Username

Password

[Login](#)

Don't have an account? [Sign up now.](#)

**Sign Up Form:**

Username

Password

Confirm Password

[Sign Up](#)

Already have an account? [Login here.](#)

**Code:**

```
<?php

// Include config file
require_once "config.php";

// Define variables and initialize with empty values
$username = $password = $confirm_password = "";
$username_err = $password_err = $confirm_password_err = "";

// Processing form data when form is submitted
if($_SERVER["REQUEST_METHOD"] == "POST"){

    // Validate username
    if(empty(trim($_POST["username"]))){
        $username_err = "Please enter a username.";
    } else{
        // Prepare a select statement
        $sql = "SELECT id FROM users WHERE username = ?";

        if($stmt = mysqli_prepare($link, $sql)){
            // Bind variables to the prepared statement as parameters
            mysqli_stmt_bind_param($stmt, "s", $param_username);

            // Set parameters
            $param_username = trim($_POST["username"]);

            // Attempt to execute the prepared statement
```

```
if(mysqli_stmt_execute($stmt)){  
    /* store result */  
    mysqli_stmt_store_result($stmt);  
  
    if(mysqli_stmt_num_rows($stmt) == 1){  
        $username_err = "This username is already taken.";  
    } else{  
        $username = trim($_POST["username"]);  
    }  
} else{  
    echo "Oops! Something went wrong. Please try again later.";  
}  
  
// Close statement  
mysqli_stmt_close($stmt);  
}  
  
// Validate password  
if(empty(trim($_POST["password"])))  
{  
    $password_err = "Please enter a password.";  
} elseif(strlen(trim($_POST["password"])) < 6){  
    $password_err = "Password must have atleast 6 characters.";  
} else{  
    $password = trim($_POST["password"]);  
}  
  
// Validate confirm password  
if(empty(trim($_POST["confirm_password"])))  
{  
    $confirm_password_err = "Please confirm password.";  
} else{
```

```
$confirm_password = trim($_POST["confirm_password"]);  
if(empty($password_err) && ($password != $confirm_password)){  
    $confirm_password_err = "Password did not match."  
}  
}
```

```
// Check input errors before inserting in database
```

```
if(empty($username_err) && empty($password_err) && empty($confirm_password_err)){
```

```
    // Prepare an insert statement
```

```
    $sql = "INSERT INTO users (username, password) VALUES (?, ?)";
```

```
    if($stmt = mysqli_prepare($link, $sql)){
```

```
        // Bind variables to the prepared statement as parameters
```

```
        mysqli_stmt_bind_param($stmt, "ss", $param_username, $param_password);
```

```
        // Set parameters
```

```
        $param_username = $username;
```

```
        $param_password = password_hash($password, PASSWORD_DEFAULT); // Creates a  
password hash
```

```
        // Attempt to execute the prepared statement
```

```
        if(mysqli_stmt_execute($stmt)){
```

```
            // Redirect to login page
```

```
            header("location: login.php");
```

```
        } else{
```

```
            echo "Something went wrong. Please try again later.";
```

```
        }
```

```
        // Close statement
```

```
        mysqli_stmt_close($stmt);
```

```
    }  
}  
  
// Close connection  
mysqli_close($link);  
}  
?>
```

**Result:**The experiment was successfully completed.