ASSIGNMENT-4

Q1. Write a php script to create a simple login and logout session.

➤ Code:
➤ index.php

```php
<?php

session_start();

$users = [

    "Ashish" => "123",

    "Admin" => "admin"

];

$errorMessage = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $username = $_POST['username'];

    $password = $_POST['password'];


    if (isset($users[$username]) && $users[$username] ==
$password) {

        $_SESSION['username'] = $username;

        header("Location: welcome.php");

        exit();

    } else {

        $errorMessage = "Invalid username or password.";

    }

}

?>

<html>

<head>
```

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```
    <title>Login</title>

</head>

<link rel="stylesheet" href="../css/bootstrap.min.css">

<body>

    <div class="shadow container p-5 mt-5 border border-4
border-success form-control form-control">

        <h2 class="text-center mb-5">Login</h2>

    <?php if ($errorMessage): ?>

        <p style="color:red;"><?php echo $errorMessage;
?></p>

    <?php endif; ?>

    <form method="post" action="">

        <div class="text-center">

            <label for="username">Username:</label>

        <input class="mb-4" type="text" name="username"
required>

        </div>

        <div class="text-center">

            <label for="password">Password:</label>

        <input class="mb-4" type="password" name="password"
required>

        </div>

        <input type="submit" class="btn btn-outline-primary
w-100 text-center border border-4 border-primary"
value="Login">

    </form>

    </div>

</body>
```

```
</html>
```

➢ **welcome.php**

```php
<?php
session_start();
if (!isset($_SESSION['username'])) {
    header("Location: index.php");
    exit();
}
?>
<html>
<head>
    <title>Welcome</title>
</head>
<link rel="stylesheet" href="../css/bootstrap.min.css">
<body class="container p-5 m-5">
    <h2 class="text-center mb-5">Welcome, <?php echo
htmlspecialchars($_SESSION['username']); ?>!</h2>
    <a href="logout.php" class="btn btn-outline-danger w-100
border border-4 border-danger mt-5 mx-5">Logout</a>
</body>
</html>
```

➢ **logout.php**

```php
<?php
session_start();
session_destroy();
header("Location: index.php");
```

```
exit();
?>
```

➢ Output:

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Q2. Write a php script to get data from get request in php.

➤ Code:

```html
<html>

<head>

    <title>Recive Data</title>

</head>

<link rel="stylesheet" href="../css/bootstrap.min.css">

<body>

    <div class="container p-5 mt-5 border border-4 border-success form-control form-control">

        <h2 class="text-center mb-5 shadow">Login</h2>

    <form method="get" action="">

        <div class="text-center">

            <label for="username">Username:</label>

        <input class="mb-4" type="text" name="username" required>

        </div>

        <div class="text-center">

            <label for="password">Password:</label>

        <input class="mb-4" type="password" name="password" required>

        </div>

        <input type="submit" class="btn btn-outline-primary w-100 text-center border border-4 border-primary" name="btn" value="Submit">

    </form>

    </div>
```

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```php
        <div class="container mt-5 p-3 border border-4
border-info">

            <?php

        if(isset($_GET['btn'])){

            $name = $_GET['username'];

            $pass = $_GET['password'];?>

        <h1 class="text-center ">

            <?php echo "Name is: " . $name; ?>

        </h1>

            <h1 class="text-center ">

                <?php echo "Password is:  " . $pass; ?>

            </h1>

    <?php } ?>

        </div>

</body>

</html>
```

➢ Output:

Login

Username: Admin

Password: •••••

Submit

Name is: Admin
Password is: admin

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Q3. Write a php script to get data from post request in php.

➢ Code:

```
<html>

<head>

    <title>Recive Data</title>

</head>

<link rel="stylesheet" href="../css/bootstrap.min.css">

<body>

    <div class=" shadow container p-5 mt-5 border border-4
border-success form-control form-control">

        <h2 class="text-center mb-5">Login</h2>

    <form method="post" action="">

        <div class="text-center">

            <label for="username">Username:</label>

        <input class="mb-4" type="text" name="username"
required>

        </div>

        <div class="text-center">

            <label for="password">Password:</label>

        <input class="mb-4" type="password" name="password"
required>

        </div>

        <input type="submit" class="btn btn-outline-primary
w-100 text-center border border-4 border-primary" name="btn"
value="Submit">

    </form>

    </div>
```

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```php
        <div class="container mt-5 p-3 border border-4
border-info">

            <?php

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

            $name = $_POST['username'];

            $pass = $_POST['password'];?>

        <h1 class="text-center ">

            <?php echo "Name is: " . $name; ?>

        </h1>

            <h1 class="text-center ">

                <?php echo "Password is:  " . $pass; ?>

            </h1>

    <?php } ?>

        </div>

</body>

</html>
```

➢ Output:

Login

Username: Admin

Password: •••••

Submit

Name is: Ashish
Password is: 123

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Q4. Write a php script to store username in cookie and check whether the user have successfully logged in or not.

- ➢ Code:
- ➢ index.php

```html
<html lang="en">

<head>

    <title>Login</title>

    <link href="../css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

    <div class="container mt-5 shadow">

        <div class="row justify-content-center">

            <div class="col-md-6">

                <div class="card">

                    <div class="card-header">

                        <h2 class="text-uppercase text-
center">Login</h2>

                    </div>

                    <div class="card-body">

                        <form  method="POST">

                            <div class="form-group my-3">

                                <label
for="username">Username:</label>

                                <input type="text"
id="username" name="username" class="form-control" required>

                            </div>
```

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```
                              <button type="submit" name="btn"
class="btn btn-outline-primary w-100">Login</button>
```

```
                        </form></div>
</div></div></div></div>
```

```html
</body>
```

```html
</html>
```

```php
<?php
if (isset($_POST['btn'])) {
    $username = htmlspecialchars($_POST['username']);
    setcookie("username", $username, time() + (86400 * 30),
"/");
    header("Location: welcome.php");
    exit();
}
?>
```

> ## welcome.php

```php
<?php
if (isset($_COOKIE["username"])) {
    $username = htmlspecialchars($_COOKIE["username"]);
    ?>
    <link rel="stylesheet" href="../css/bootstrap.min.css">
   <div class="container mt-5  border border-3 p-5 rounded
border-primary">
   <h2 class="text-center "> <?php  echo "Welcome,
$username!"; ?></h2>
   <a href="index.php" class="btn btn-outline-danger w-100
mt-5"> <?php echo "Logout"; ?> </a>
   </div>
```
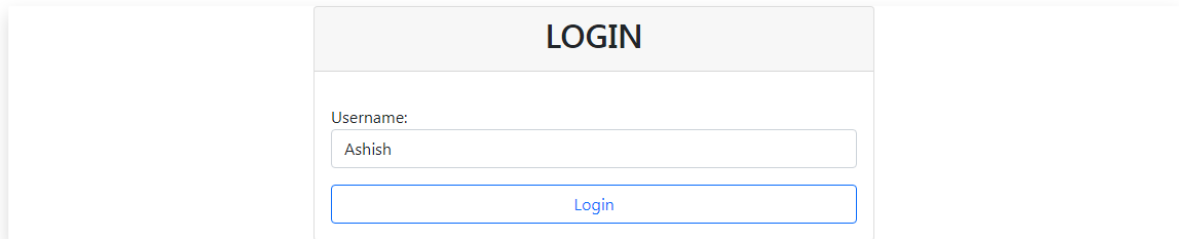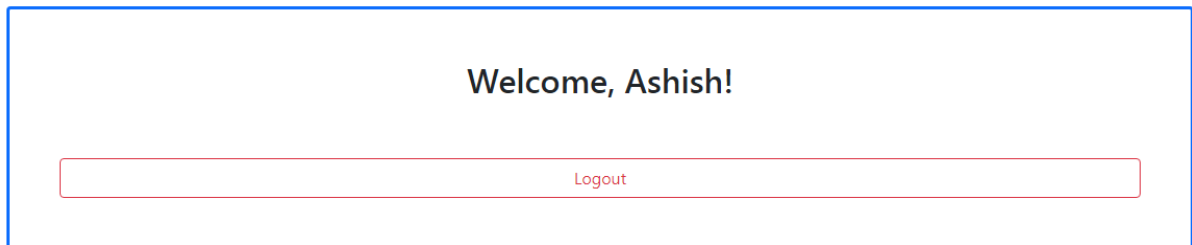
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```php
    <?php
}
?>
```

➢ Output:

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Q5. Design a html form with input field such as input boxes, text boxes, check boxes, submit button etc.

> ➢ Code:

```
<html lang="en">

<head>

    <title>Simple Form</title>

    <link href="../css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

    <div class="container mt-5">

        <div class="row justify-content-center">

            <div class="col-md-6">

                <div class="card shadow">

                    <div class="card-header">

                        <h2 class="text-center text-uppercase text-primary ">Simple Form</h2>

                    </div>

                    <div class="card-body">

                        <form action="submit.php" method="POST">

                            <div class="form-group">

                                <label for="name">Name:</label>

                                <input type="text" id="name" name="name" class="form-control" required>

                            </div>

                            <div class="form-group">
```

```html
                        <label
for="email">Email:</label>

                            <input type="email"
id="email" name="email" class="form-control" required>

                        </div>

                        <div class="form-group">

                            <label
for="number">Number:</label>

                            <input type="number"
id="number" name="number" class="form-control" required>

                        </div>

                        <div class="form-group">

                            <label for="message">Message
(Link):</label>

                            <textarea id="message"
name="message" class="form-control" rows="3"
required></textarea>

                        </div>

                        <div class="form-group form-
check">

                            <input type="checkbox"
id="subscribe" name="subscribe" class="form-check-input">

                            <label for="subscribe"
class="form-check-label">Subscribe to newsletter</label>

                        </div>

                        <button type="submit" class="btn
btn-outline-primary w-100">Submit</button>

</form></div></div></div></div></div>

</body>
```

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```html
</html>
```

➢ Output:

SIMPLE FORM

Name:

Email:

Number:

Message (Link):

☐ Subscribe to newsletter

Submit

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Q6. Write a php script to validate the following:

Empty String, Validate String, Validate Number, Validate Email, Validate URL

  ➢ Code:

```php
<link rel="stylesheet" href="../css/bootstrap.min.css">

<?php

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $errors = [];

    if (empty($_POST["name"])) {

        $errors[] = "Name is required.";

    } elseif (!preg_match("/^[a-zA-Z-' ]*$/",
$_POST["name"])) {

        $errors[] = "Only letters and white space allowed in
name.";

    } else {

        $name = htmlspecialchars($_POST["name"]);    }

    if (empty($_POST["email"])) {

        $errors[] = "Email is required.";

    } elseif (!filter_var($_POST["email"],
FILTER_VALIDATE_EMAIL)) {

        $errors[] = "Invalid email format.";

    } else {

        $email = htmlspecialchars($_POST["email"]);    }

    if (empty($_POST["number"])) {

        $errors[] = "Number is required.";

    } elseif (!filter_var($_POST["number"],
FILTER_VALIDATE_INT)) {
```

```php
        $errors[] = "Invalid number format.";

    } else {

        $number = htmlspecialchars($_POST["number"]);     }

    if (empty($_POST["message"])) {

        $errors[] = "Message is required.";

    } elseif (!filter_var($_POST["message"],
FILTER_VALIDATE_URL)) {

        $errors[] = "Invalid URL format in message.";     }
else {

        $message = htmlspecialchars($_POST["message"]);     }

    if (empty($errors)) {          ?>

        <h1> <?php echo "Form submitted successfully!<br>";
?> </h1>

        <h1> <?php echo "Name: $name<br>"; ?> </h1>

        <h1> <?php echo "Email: $email<br>"; ?> </h1>

        <h1> <?php echo "Number: $number<br>"; ?> </h1>

        <h1> <?php echo "Message (Link): $message<br>"; ?>
</h1>

        <?php    } else {

        foreach ($errors as $error) {            ?>

            <div class="container p-4 mt-5  ">

                <h1 class="text-danger text-center" > <?php
echo $error;  ?></h1>

        <?php } ?>

        <a class="btn btn-outline-danger w-100 mt-5"
href='index.html'><?php echo "Go back to the form"; ?></a>

            </div>

    <?php  }
```

```
} else {

    header("Location: index.html");

    exit();  }  ?>
```

- ➢ Output:
- ➢ Incorrect data:

SIMPLE FORM

Name:

Ashish Prajapati123

Email:

ap5212741@gmail.com

Number:

23

Message (Link):

this is not a URL

☑ Subscribe to newsletter

Submit

Only letters and white space allowed in name.

Invalid URL format in message.

Go back to the form

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Correct data:

SIMPLE FORM

Name:

Ashish Prajapati

Email:

ap5212741@gmail.com

Number:

23

Message (Link):

https://www.github.com/Anticoder03

☑ Subscribe to newsletter

Submit

Form submitted successfully!
Name: Ashish Prajapati
Email: ap5212741@gmail.com
Number: 23
Message (Link): https://www.github.com/Anticoder03