Experiment No.6

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Title:

Design and develop dynamic web application using PHP and MySQL as a back-end for employee data with insert, delete, view and update operations.

Theory:

PHP:

The PHP Hypertext Preprocessor began as a little open source venture that advanced as an ever increasing number of individuals discovered how valuable it was. Rasmus Lerdorf released the principal form of PHP route in 1994. PHP is a recursive acronym for "PHP: Hypertext Preprocessor".

PHP is a server side scripting dialect that is installed in HTML. It is utilized to oversee dynamic substance, databases, session following, even form whole internet business locates. It is incorporated with various prevalent databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.

PHP performs framework capabilities. PHP can deal with frames.

MySQL:

MySQL is the most famous Open Source Relational SQL Database Management System. MySQL is outstanding amongst other RDBMS being utilized for creating different online programming applications. MySQL is created, advertised and upheld by MySQL AB, which is a Swedish organization. This instructional exercise will give you a fast begin to MySQL and make you OK with MySQL programming.

MySQL is winding up so famous as a result of numerous great reasons:

- MySQL is discharged under an open-source permit. So you don't have anything to pay to utilize it.

- MySQL is a capable program in its own particular right. It handles a huge subset of the usefulness of the most costly and intense database bundles. • MySQL utilizes a standard type of the outstanding SQL information dialect.

- MySQL takes a shot at many working frameworks and with numerous dialects including PHP, PERL, C, C++, JAVA and so forth

- MySQL works rapidly and functions admirably even with extensive informational indexes. ☐ MySQL is adaptable.

Program: registration.php

code:

```php
<?php
?>


<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Registration</title>
<link rel="stylesheet" href="css/style.css" />
</head> <body> <?php
    require('db.php');    if
(isset($_REQUEST['username'])){
```

```php
            $username = stripslashes($_REQUEST['username']);

            $username = mysqli_real_escape_string($con,$username);
        $email = stripslashes($_REQUEST['email']);

            $email = mysqli_real_escape_string($con,$email);

            $password = stripslashes($_REQUEST['password']);

            $password = mysqli_real_escape_string($con,$password);


            $trn_date = date("Y-m-d H:i:s");

        $query = "INSERT into `users` (username, password, email, trn_date) VALUES
('$username', '".md5($password)."', '$email', '$trn_date')";

        $result = mysqli_query($con,$query);

        if($result){

            echo "<div class='form'><h3>You are registered
successfully.</h3><br/>Click here to <a href='login.php'>Login</a></div>";

        }
    }else{
?>
<div class="form">
<h1>Registration</h1>
<form name="registration" action="" method="post">
<input type="text" name="username" placeholder="Username" required />
<input type="email" name="email" placeholder="Email" required />
<input type="password" name="password" placeholder="Password" required />
```

```
<input type="submit" name="submit" value="Register" />

</form>

</div>

<?php } ?>

</body>

</html>
```

login.php code:

```php
<?php

?>

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>Login</title>

<link rel="stylesheet" href="css/style.css" />

</head>

<body> <?php   require('db.php');

session_start();

if

(isset($_POST['username'])){
```

```php
$username =       stripslashes($_REQUEST['username']);
      $username  = mysqli_real_escape_string($con,$username);
      $password   = stripslashes($_REQUEST['password']);

$password = mysqli_real_escape_string($con,$password);

    $query = "SELECT * FROM `users` WHERE username='$username' and
password='".md5($password)."'";

$result = mysqli_query($con,$query) or die(mysqli_error());

$rows = mysqli_num_rows($result);

    if($rows==1){

 $_SESSION['username'] = $username;   header("Location:

index.php");

        }else{

            echo "<div class='form'><h3>Username/password is
incorrect.</h3><br/>Click here to <a href='login.php'>Login</a></div>";

            }

   }else{

?>

<div class="form">

<h1>Log In</h1>

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

<input type="text" name="username" placeholder="Username" required />

<input type="password" name="password" placeholder="Password" required />
<input name="submit" type="submit" value="Login" />

</form>
```

```
<p>Not registered yet? <a href='registration.php'>Register Here</a></p>
```

```
</div>
```

```
<?php } ?>
```

```
</body>
```

```
</html>
```

dashboard.php code:

```
<?php require('db.php');
```

```
include("auth.php"); ?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<title>Dashboard - Secured Page</title>
```

```
<link rel="stylesheet" href="css/style.css" />
```

```
</head>
```

```
<body>
```

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

```
<p>Welcome to Dashboard.</p>
```

```
<p><a href="index.php">Home</a><p>

<p><a href="insert.php">Insert New Record</a></p>

<p><a href="view.php">View Records</a><p>

<p><a href="logout.php">Logout</a></p>

</div>

</body>

</html>
```

insert.php: `<?php require('db.php');`

`include("auth.php")`

`;`

`$status = ""; if(isset($_POST['new']) &&`

`$_POST['new']==1)`

`{`

`$trn_date = date("Y-m-d H:i:s");`

`$name =$_REQUEST['name'];`

`$age = $_REQUEST['age'];`

`$submittedby = $_SESSION["username"];`

`$ins_query="insert into new_record (`trn_date`,`name`,`age`,`submittedby`)`
`values ('$trn_date','$name','$age','$submittedby')";`
`mysqli_query($con,$ins_query) or die(mysql_error());`

```php
$status = "New Record Inserted Successfully.</br></br><a href='view.php'>View Inserted Record</a>";

}
?>
```

```html
<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>Insert New Record</title>

<link rel="stylesheet" href="css/style.css" />

</head>

<body>

<div class="form">

<p><a href="dashboard.php">Dashboard</a> | <a href="view.php">View Records</a> | <a href="logout.php">Logout</a></p>


<div>

<h1>Insert New Record</h1>

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

<input type="hidden" name="new" value="1" />

<p><input type="text" name="name" placeholder="Enter Name" required /></p>

<p><input type="text" name="age" placeholder="Enter Age" required /></p>

<p><input name="submit" type="submit" value="Submit" /></p>
```

</form>

<p style="color:#FF0000;"><?php echo $status; ?></p>

</div>

</div>

</body>

</html>

edit.php code: <?php

```php
require('db.php'); include("auth.php");

$id=$_REQUEST['id'];

$query = "SELECT * from new_record where id='".$id."'";

$result = mysqli_query($con, $query) or die ( mysqli_error());

$row = mysqli_fetch_assoc($result);

?>
```

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>Update Record</title>

<link rel="stylesheet" href="css/style.css" />

</head>

<body>

```php
<div class="form">

<p><a href="dashboard.php">Dashboard</a> | <a href="insert.php">Insert New
Record</a> | <a href="logout.php">Logout</a></p>

<h1>Update Record</h1>

<?php

$status = ""; if(isset($_POST['new']) &&

$_POST['new']==1)

{

$id=$_REQUEST['id'];

$trn_date = date("Y-m-d H:i:s");

$name =$_REQUEST['name'];

$age =$_REQUEST['age'];

$submittedby = $_SESSION["username"];

$update="update new_record set trn_date='".$trn_date."', name='".$name."',
age='".$age."', submittedby='".$submittedby."' where id='".$id."'";
mysqli_query($con, $update) or die(mysqli_error());

$status = "Record Updated Successfully. </br></br><a href='view.php'>View
Updated Record</a>"; echo '<p style="color:#FF0000;">'.$status.'</p>';

}else {

?>

<div>

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

<input type="hidden" name="new" value="1" />
```

```php
<input name="id" type="hidden" value="<?php echo $row['id'];?>" />

<p><input type="text" name="name" placeholder="Enter Name" required value="<?php echo $row['name'];?>" /></p>

<p><input type="text" name="age" placeholder="Enter Age" required value="<?php echo $row['age'];?>" /></p>

<p><input name="submit" type="submit" value="Update" /></p>

</form>

<?php } ?>

</div>

</div>

</body>

</html>
```

delete.php code:
```php
<?php require('db.php');

$id=$_REQUEST['id'];

$query = "DELETE FROM new_record WHERE id=$id";

$result = mysqli_query($con,$query) or die ( mysqli_error()); header("Location:

view.php");

?>
```
logout.php code:
```php
<?php

session_start(); if(session_destroy())

{

header("Location: login.php");

}
```

```php
?>
```

index.php code:

```php
<?php

include("auth.php");
?>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Welcome Home</title>
<link rel="stylesheet" href="css/style.css" />
</head>
<body>
<div class="form">
<p>Welcome <?php echo $_SESSION['username']; ?>!</p>
<p>This is secure area.</p>
<p><a href="dashboard.php">Dashboard</a></p>
<a href="logout.php">Logout</a>
</div>
</body>
</html>
```

db.php code:

```php
<?php

$con = mysqli_connect("localhost","root","","register"); if
(mysqli_connect_errno())
 {
  echo "Failed to connect to MySQL: " . mysqli_connect_error();
 }
?>
```

auth.php code:
```php
<?php
session_start();
if(!isset($_SESSION["username"]))
{ header("Location: login.php");
exit(); }

?>
```

view.php code:
```php
<?php
require('db.php'); include("auth.php");
?>
<!DOCTYPE html>
```

```html
<html>

<head>

<meta charset="utf-8">

<title>View Records</title>

<link rel="stylesheet" href="css/style.css" />

</head>

<body>

<div class="form">

<p><a href="index.php">Home</a> | <a href="insert.php">Insert New
Record</a> | <a href="logout.php">Logout</a></p>

<h2>View Records</h2>

<table width="100%" border="1" style="border-collapse:collapse;">

<thead>
<tr><th><strong>S.No</strong></th><th><strong>Name</strong></th><th><str
o
ng>Age</strong></th><th><strong>Edit</strong></th><th><strong>Delete</str
o ng></th></tr>
</thead>

<tbody>

<?php

$count=1;

$sel_query="Select * from new_record ORDER BY id desc;";

$result = mysqli_query($con,$sel_query); while($row

= mysqli_fetch_assoc($result)) { ?>
```

```php
<tr><td align="center"><?php echo $count; ?></td><td align="center"><?php echo $row["name"]; ?></td><td align="center"><?php echo $row["age"]; ?></td><td align="center"><a href="edit.php?id=<?php echo $row["id"]; ?>">Edit</a></td><td align="center"><a href="delete.php?id=<?php echo $row["id"]; ?>">Delete</a></td></tr>

<?php $count++; } ?>

</tbody>

</table>

</div>

</body>

</html>
```

register.sql code:

```sql
-- phpMyAdmin SQL Dump

-- version 5.0.2

-- http://www.phpmyadmin.net

--

-- Host: 127.0.0.1

-- Generation Time: May 23, 2021 at 12:28 PM

-- Server version: 10.4.14

-- PHP Version: 7.4.10


SET SQL_MODE="NO_AUTO_VALUE_ON_ZERO";

SET time_zone = "+00:00";
```
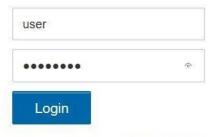
```sql
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;

/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;

/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;

/*!40101 SET NAMES utf8 */;


--

-- Database: `register`

--



-- --------------------------------------------------------



--

-- Table structure for table `new_record`

--


CREATE TABLE IF NOT EXISTS `new_record` (
  `id` int(50) NOT NULL AUTO_INCREMENT,
  `trn_date` datetime NOT NULL,
  `name` varchar(100) NOT NULL,
```

```
  `age` int(10) NOT NULL,

  `submittedby` varchar(50) NOT NULL,

  PRIMARY KEY (`id`)

) ENGINE=InnoDB  DEFAULT CHARSET=latin1 AUTO_INCREMENT=9 ;


-- --------------------------------------------------------


--

-- Table structure for table `users`

--


CREATE TABLE IF NOT EXISTS `users` (

  `id` int(11) NOT NULL AUTO_INCREMENT,

  `username` varchar(50) NOT NULL,

  `email` varchar(50) NOT NULL,

  `password` varchar(50) NOT NULL,

  `trn_date` datetime NOT NULL,

  PRIMARY KEY (`id`)

) ENGINE=InnoDB  DEFAULT CHARSET=latin1 AUTO_INCREMENT=4 ;


/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;

/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
```

/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;

Output:

Welcome user!

This is secure area.

Dashboard

Logout

Welcome to Dashboard.

Home

Insert New Record

View Records

Logout

Dashboard | View Records | Logout

Insert New Record

Swati

20 ×

Submit

Insert New Record

Enter Name

Enter Age

Submit

New Record Inserted Successfully.

View Inserted Record

View Records

S.No	Name	Age	Edit	Delete
1	Swati	20	Edit	Delete

Update Record

Shruti

16

Update

Update Record

Record Updated Successfully.

View Updated Record

View Records

S.No	Name	Age	Edit	Delete
1	Shruti	16	Edit	Delete

Delete record

View Records

S.No	Name	Age	Edit	Delete

Conclusion:

We developed a dynamic web application using PHP and MySQL as a back-end with insert, delete, view and update operations.