

SSN COLLEGE OF ENGINEERING, KALAVAKKAM
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Internet Programming Lab – CS8661

Programming Assignment 18 - DatabasePHP Application with validation of registration form using Apache Tomcat Server

Develop CRUD Web Application using servlet and JSP to perform the following operations

- List
- InsertNew
- Update
- Delete

For InsertNew operation,

Write registration.html to retrieve the information such as name, age, date, address, mobile number and email-id from the user. Write PHP script to validate the entries in the form. Once the entries are validated, update the table with the entered details. Create different php file for every operation.

CODE

index.html

```
<html>
<body>
<h3>CRUD PHP</h3>
```

```
<form method="get" action="insert.php">
Enter name: <input type="text" name="t1"><br><br>
Enter age: <input type="text" name="t2"><br><br>
Enter dob: <input type="text" name="t3"><br><br>
Enter address: <input type="text" name="t4"><br><br>
Enter mobile no: <input type="text" name="t5"><br><br>
Enter email id: <input type="text" name="t6"><br><br>
<input type="submit" value="Insert record"><br><br>
</form>
```

```
<form method="get" action="update.php">
Enter name: <input type="text" name="t1"><br><br>
Enter age: <input type="text" name="t2"><br><br>
Enter dob: <input type="text" name="t3"><br><br>
Enter address: <input type="text" name="t4"><br><br>
Enter mobile no: <input type="text" name="t5"><br><br>
Enter email id: <input type="text" name="t6"><br><br>
<input type="submit" value="Update record"><br><br>
```

```
</form>
```

```
<form method="get" action="delete.php">  
Enter name: <input type="text" name="t1"><br><br>  
<input type="submit" value="Delete record"><br>  
</form>
```

```
<form method="get" action="display.php">  
<input type="submit" value="Display records">  
</form>
```

```
</body>  
</html>
```

delete.php

```
<html>  
<?php
```

```
$con=new mysqli("localhost:3306","root","","test");  
if($con->connect_error)  
    echo "Falied";  
else  
{  
  
    $sql = "select * from stud";  
    $result = $con->query($sql);  
    echo "<br><p>Before deletion</p>";  
    echo "<br><table border='1'>";  
    echo  
    "<tr><th>NAME</th><th>AGE</th><th>DATE</th><th>ADDRESS</th><th>PHONE  
</th><th>EMAIL</th></tr>";  
    if ($result->num_rows>0)  
    {  
        while ($row = $result->fetch_assoc())  
            echo  
            "<tr><td>".$row["name"]."</td><td>".$row["age"]."</td><td>".$row["dob"]."</td><td>  
            ".$row["addr"]."</td><td>".$row["mob"]."</td><td>".$row["email"]."</td></tr>";  
    }  
    echo "</table>";  
  
    $del = "delete from stud where name=?";  
    $stmt=mysqli_prepare($con,$del);  
    mysqli_stmt_bind_param($stmt,"s",$name);  
    $name=$_GET["t1"];  
    mysqli_stmt_execute($stmt);
```

```

echo "<br><p>After deletion</p>";
$result = $con->query($sql);
echo "<br><table border='1'>";
echo
"<tr><th>NAME</th><th>AGE</th><th>DATE</th><th>ADDRESS</th><th>PHONE
</th><th>EMAIL</th></tr>";
if ($result->num_rows>0)
{
while ($row = $result->fetch_assoc())
    echo
"<tr><td>".$row["name"]."</td><td>".$row["age"]."</td><td>".$row["dob"]."</td><td>
".$row["addr"]."</td><td>".$row["mob"]."</td><td>".$row["email"]."</td></tr>";
}
echo "</table>";
}
?>
</html>

```

display.php

```

<html>
<?php
$con=new mysqli("localhost:3306","root","","test");
if($con->connect_error)
    echo "Falied";
else
{

$sql = "select * from stud";
$result = $con->query($sql);
echo "<br><table border='1'>";
echo
"<tr><th>NAME</th><th>AGE</th><th>DATE</th><th>ADDRESS</th><th>PHONE
</th><th>EMAIL</th></tr>";
if ($result->num_rows>0)
{
while ($row = $result->fetch_assoc())
    echo
"<tr><td>".$row["name"]."</td><td>".$row["age"]."</td><td>".$row["dob"]."</td><td>
".$row["addr"]."</td><td>".$row["mob"]."</td><td>".$row["email"]."</td></tr>";
}
echo "</table>";

}
?>

```

</html>

insert.php

<html>

<?php

```
$regexName = '/^[A-Za-z]+$/';
$regexAge = '/^[0-9]{2}$/';
$regexNum = '/^[0-9]{10}$/';
$regexMail = '/^[a-zA-Z][a-zA-Z0-9]+\@[a-z]+\.[a-z]+$/';

$flag=0;

$name=$_GET["t1"];
$age=$_GET["t2"];
$dob=$_GET["t3"];
$addr=$_GET["t4"];
$mob=$_GET["t5"];
$email=$_GET["t6"];

    if(preg_match($regexName, $name)) {
        if(preg_match($regexAge, $age)) {
            if(preg_match($regexNum, $mob)) {
                if(preg_match($regexMail, $email)) {
                    $flag=1;
                }
                else {
                    echo "Invalid e-mail id";
                }
            }
            else {
                echo "Invalid phone number";
            }
        }
        else {
            echo "Invalid age";
        }
    }
    else {
        echo "Invalid name";
    }

    echo "<br><br>";
```

```

if($flag==1)
{
$con=new mysqli("localhost:3306","root","","test");
if($con->connect_error)
    echo "Falied";
else
{

$sql = "select * from stud";
$result = $con->query($sql);
echo "<br><p>Before insertion</p>";
echo "<br><table border='1'>";
echo
"<tr><th>NAME</th><th>AGE</th><th>DATE</th><th>ADDRESS</th><th>PHONE
</th><th>EMAIL</th></tr>";
if ($result->num_rows>0)
{
while ($row = $result->fetch_assoc())
    echo
"<tr><td>".$row["name"]."</td><td>".$row["age"]."</td><td>".$row["dob"]."</td><td>
".$row["addr"]."</td><td>".$row["mob"]."</td><td>".$row["email"]."</td></tr>";
}
echo "</table>";

$ins = "insert into stud values(?,?,?,?,?)";
$stmt=mysqli_prepare($con,$ins);
mysqli_stmt_bind_param($stmt,"sssss",$name,$age,$dob,$addr,$mob,$email);

mysqli_stmt_execute($stmt);

echo "<br><p>After insertion</p>";
$result = $con->query($sql);
echo "<br><table border='1'>";
echo
"<tr><th>NAME</th><th>AGE</th><th>DATE</th><th>ADDRESS</th><th>PHONE
</th><th>EMAIL</th></tr>";
if ($result->num_rows>0)
{
while ($row = $result->fetch_assoc())
    echo
"<tr><td>".$row["name"]."</td><td>".$row["age"]."</td><td>".$row["dob"]."</td><td>
".$row["addr"]."</td><td>".$row["mob"]."</td><td>".$row["email"]."</td></tr>";
}
echo "</table>";

}
}

```

```
}  
?>  
</html>
```

update.php

```
<html>  
<?php  
  
$regexName = '/^[A-Za-z]+$/';  
$regexAge = '/^[0-9]{2}$/';  
$regexNum = '/^[0-9]{10}$/';  
$regexMail = '/^[a-zA-Z][a-zA-Z0-9]+\@[a-z]+\.[a-z]+$/';  
  
$flag=0;  
  
$name=$_GET["t1"];  
$age=$_GET["t2"];  
$dob=$_GET["t3"];  
$addr=$_GET["t4"];  
$mob=$_GET["t5"];  
$email=$_GET["t6"];  
  
if(preg_match($regexName, $name)) {  
    if(preg_match($regexAge, $age)) {  
        if(preg_match($regexNum, $mob)) {  
            if(preg_match($regexMail, $email)) {  
                $flag=1;  
            }  
            else {  
                echo "Invalid e-mail id";  
            }  
        }  
        else {  
            echo "Invalid phone number";  
        }  
    }  
    else {  
        echo "Invalid age";  
    }  
}  
else {  
    echo "Invalid name";  
}  
  
echo "<br><br>";
```

```

if($flag==1)
{
$con=new mysqli("localhost:3306","root","","test");
if($con->connect_error)
    echo "Falied";
else
{

$sql = "select * from stud";
$result = $con->query($sql);
echo "<br><p>Before updatation</p>";
echo "<br><table border='1'>";
echo
"<tr><th>NAME</th><th>AGE</th><th>DATE</th><th>ADDRESS</th><th>PHONE</th><th>EMAIL</th></tr>";
if ($result->num_rows>0)
{
while ($row = $result->fetch_assoc())
    echo
"<tr><td>".$row["name"]."</td><td>".$row["age"]."</td><td>".$row["dob"]."</td><td>".$row["addr"]."</td><td>".$row["mob"]."</td><td>".$row["email"]."</td></tr>";
}
echo "</table>";

$supd = "update stud set  age=?, dob=?, addr=?, mob=?, email=? where name=?";
$stmt=mysqli_prepare($con,$supd);
mysqli_stmt_bind_param($stmt,"ssssss",$age,$dob,$addr,$mob,$email,$name);

mysqli_stmt_execute($stmt);

echo "<br><p>After updatation</p>";
$result = $con->query($sql);
echo "<br><table border='1'>";
echo
"<tr><th>NAME</th><th>AGE</th><th>DATE</th><th>ADDRESS</th><th>PHONE</th><th>EMAIL</th></tr>";
if ($result->num_rows>0)
{
while ($row = $result->fetch_assoc())
    echo
"<tr><td>".$row["name"]."</td><td>".$row["age"]."</td><td>".$row["dob"]."</td><td>".$row["addr"]."</td><td>".$row["mob"]."</td><td>".$row["email"]."</td></tr>";
}
echo "</table>";

```

```
}  
}  
?>  
</html>
```

OUTPUT:

← → ↻ localhost/DataPHP/

CRUD PHP

Enter name:

Enter age:

Enter dob:

Enter address:

Enter mobile no:

Enter email id:

Enter name:

Enter age:

Enter dob:

Enter address:

Enter mobile no:

Enter email id:

Enter name:

← → ↻ ⓘ localhost/DataPHP/display.php?

NAME	AGE	DATE	ADDRESS	PHONE	EMAIL
vaishu	20	13-12-1999	Third st	7338766815	vaishu@gmail.com
aishu	20	10-11-1999	First st	8762134685	aishu@gmail.com
suja	50	20-07-1980	Tenth st	9962188067	sujanew@gmail.com
santhi	40	13-07-1970	Fifth st	912345678	santhi@gmail.com
abi	20	13-10-1999	Tenth st	76125402	abi@gmail.com

← → ↻ ⓘ localhost/DataPHP/

CRUD PHP

Enter name:

Enter age:

Enter dob:

Enter address:

Enter mobile no:

Enter email id:

← → ↻ ⓘ localhost/DataPHP/insert.php?t1=raja123&t2=55&t3=26-02-1965&t4=First+st&t5

Invalid name

CRUD PHP

Enter name:

Enter age:

Enter dob:

Enter address:

Enter mobile no:

Enter email id:

Invalid age

CRUD PHP

Enter name:

Enter age:

Enter dob:

Enter address:

Enter mobile no:

Enter email id:

Invalid phone number

CRUD PHP

Enter name:

Enter age:

Enter dob:

Enter address:

Enter mobile no:

Enter email id:

Invalid e-mail id

CRUD PHP

Enter name:

Enter age:

Enter dob:

Enter address:

Enter mobile no:

Enter email id:

← → ↻ ⓘ localhost/DataPHP/insert.php?t1=raja&t2=55&t3=26-02-1965&t4=First+st&t5=91761968

Before insertion

NAME	AGE	DATE	ADDRESS	PHONE	EMAIL
vaishu	20	13-12-1999	Third st	7338766815	vaishu@gmail.com
aishu	20	10-11-1999	First st	8762134685	aishu@gmail.com
suja	50	20-07-1980	Tenth st	9962188067	sujanew@gmail.com
santhi	40	13-07-1970	Fifth st	912345678	santhi@gmail.com
abi	20	13-10-1999	Tenth st	76125402	abi@gmail.com

After insertion

NAME	AGE	DATE	ADDRESS	PHONE	EMAIL
vaishu	20	13-12-1999	Third st	7338766815	vaishu@gmail.com
aishu	20	10-11-1999	First st	8762134685	aishu@gmail.com
suja	50	20-07-1980	Tenth st	9962188067	sujanew@gmail.com
santhi	40	13-07-1970	Fifth st	912345678	santhi@gmail.com
abi	20	13-10-1999	Tenth st	76125402	abi@gmail.com
raja	55	26-02-1965	First st	9176196870	raj@gmail.com

Enter name:

Enter age:

Enter dob:

Enter address:

Enter mobile no:

Enter email id:

← → ↻ ⓘ localhost/DataPHP/update.php?t1=raja&t2=40&t3=01-01-1990&t4=S

Before updation

NAME	AGE	DATE	ADDRESS	PHONE	EMAIL
vaishu	20	13-12-1999	Third st	7338766815	vaishu@gmail.com
aishu	20	10-11-1999	First st	8762134685	aishu@gmail.com
suja	50	20-07-1980	Tenth st	9962188067	sujanew@gmail.com
santhi	40	13-07-1970	Fifth st	912345678	santhi@gmail.com
abi	20	13-10-1999	Tenth st	76125402	abi@gmail.com
raja	55	26-02-1965	First st	9176196870	raj@gmail.com

After updation

NAME	AGE	DATE	ADDRESS	PHONE	EMAIL
vaishu	20	13-12-1999	Third st	7338766815	vaishu@gmail.com
aishu	20	10-11-1999	First st	8762134685	aishu@gmail.com
suja	50	20-07-1980	Tenth st	9962188067	sujanew@gmail.com
santhi	40	13-07-1970	Fifth st	912345678	santhi@gmail.com
abi	20	13-10-1999	Tenth st	76125402	abi@gmail.com
raja	40	01-01-1990	Sixth st	9888887766	raja@gmail.com

Enter name:

Delete record

Before deletion

NAME	AGE	DATE	ADDRESS	PHONE	EMAIL
vaishu	20	13-12-1999	Third st	7338766815	vaishu@gmail.com
aishu	20	10-11-1999	First st	8762134685	aishu@gmail.com
suja	50	20-07-1980	Tenth st	9962188067	sujanew@gmail.com
santhi	40	13-07-1970	Fifth st	912345678	santhi@gmail.com
abi	20	13-10-1999	Tenth st	76125402	abi@gmail.com
raja	40	01-01-1990	Sixth st	9888887766	raja@gmail.com

After deletion

NAME	AGE	DATE	ADDRESS	PHONE	EMAIL
vaishu	20	13-12-1999	Third st	7338766815	vaishu@gmail.com
aishu	20	10-11-1999	First st	8762134685	aishu@gmail.com
santhi	40	13-07-1970	Fifth st	912345678	santhi@gmail.com
abi	20	13-10-1999	Tenth st	76125402	abi@gmail.com
raja	40	01-01-1990	Sixth st	9888887766	raja@gmail.com