ASSIGNMENT

Java & PHP Lab

February 25, 2021

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PHP Validation Form

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Contents

PHP Validation Form

Create a PHP form to input user data and validate it against some filter and constraints. The fields and contraints are:

S. No.	Field	Constraint
1	Name	No numbers and special characters
2	Email	Should be a valid email ID
3	Mobile No	Should be 10 digits
4	Age	Between 20 and 40

Source Code

```html
<html>
    <head>
        <title>
            Validation Form
        </title>
        <style>
            .error {color: #FF0000;}
        </style>
    </head>
    <body style="background-color:powderblue;">
        <?php

            function test_input($data)
            {
                $data = trim($data);
                $data = stripslashes($data);
                $data = htmlspecialchars($data);
                return $data;
            }

            $nameErr = $emailErr = $mobileErr = $ageErr = "";
            $name = $email = $mobile = $age = "";

            if($_SERVER["REQUEST_METHOD"]=="POST")
            {
                if(empty($_POST["name"]))
                    $nameErr = "Name is required";
                else
                {
                    if (!preg_match("/^[a-zA-Z-' ]*$/",$_POST["name"]))
                    {
                        $nameErr = "Name cannot contain numbers and characters";
                    }
                    else
                        $name = test_input($_POST["name"]);
```

```php
        }
        if(empty($_POST["email"]))
            $emailErr = "Email is required";
        else
        {
            if (!filter_var($_POST["email"], FILTER_VALIDATE_EMAIL)) {
                $emailErr = "Invalid email format";
              }
            else
                $email = test_input($_POST["email"]);
        }
        if(empty($_POST["mobile"]))
            $mobileErr = "Mobile Number is required";
        else
        {
            if (!preg_match("/^[0-9]{10}$/",$_POST["mobile"]))
            {
                $mobileErr = "Number is invalid";
            }
            else
                $mobile = test_input($_POST["mobile"]);
        }
        if(empty($_POST["age"]))
            $ageErr = "Age is required";
        else
        {
            if ($_POST["age"] < 20 or $_POST["age"]>40)
            {
                $ageErr = "Age should be between 20 and 40";
            }
            else
                $age = test_input($_POST["age"]);
        }
    }
?>
<h1>PHP Validation Form</h1>
<form method="post" action= "<?php echo ($_SERVER["PHP_SELF"]);?>">
    <table>
        <tr>
            <td>Name: </td>
            <td><input type="text" name="name"></td>
            <td class="error"><?php echo $nameErr; ?></td>
        </tr>
        <tr>
            <td>E-mail: </td>
            <td><input type="text" name="email"></td>
            <td class="error"><?php echo $emailErr; ?></td>
        </tr>
            <td>Mobile No: </td>
            <td><input type="number" name="mobile"></td>
            <td class="error"><?php echo $mobileErr; ?></td>
        </tr>
            <td>Age: </td>
            <td><input type="number" name="age"></td>
            <td class="error"><?php echo $ageErr; ?></td>
        </tr>
```
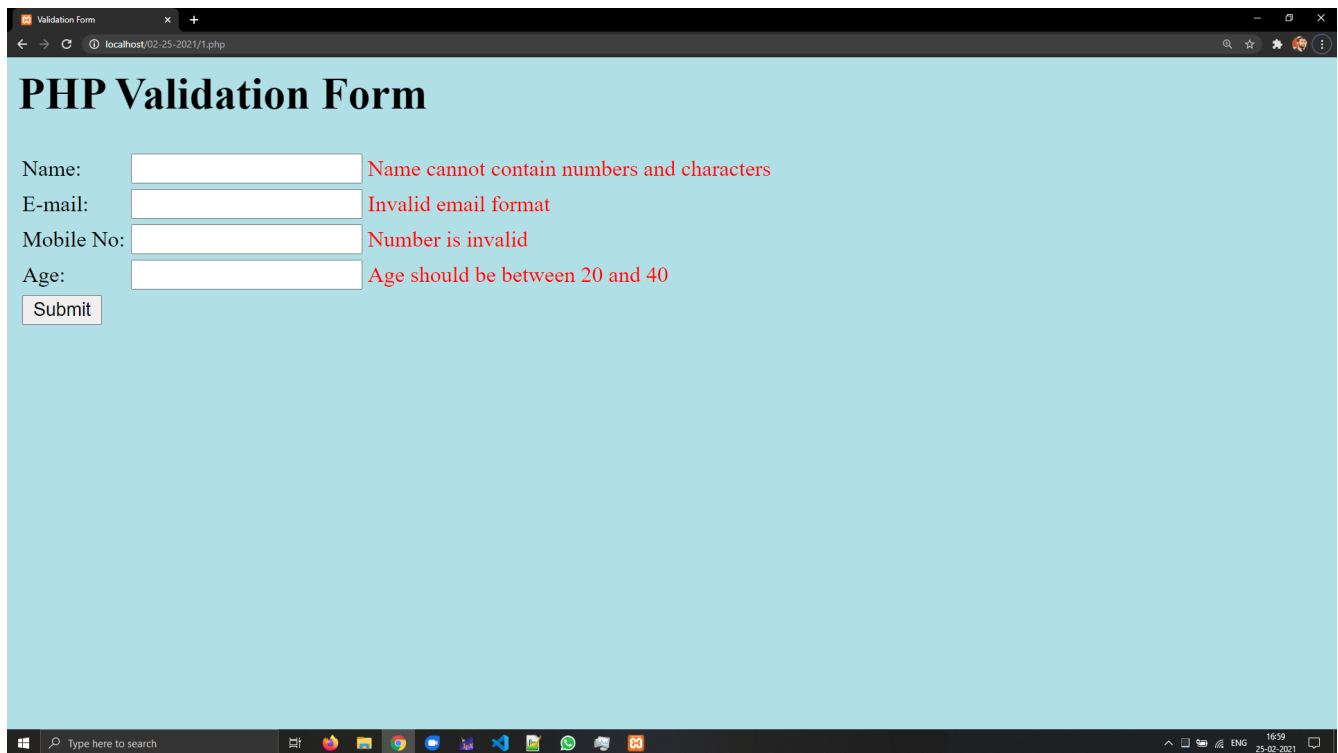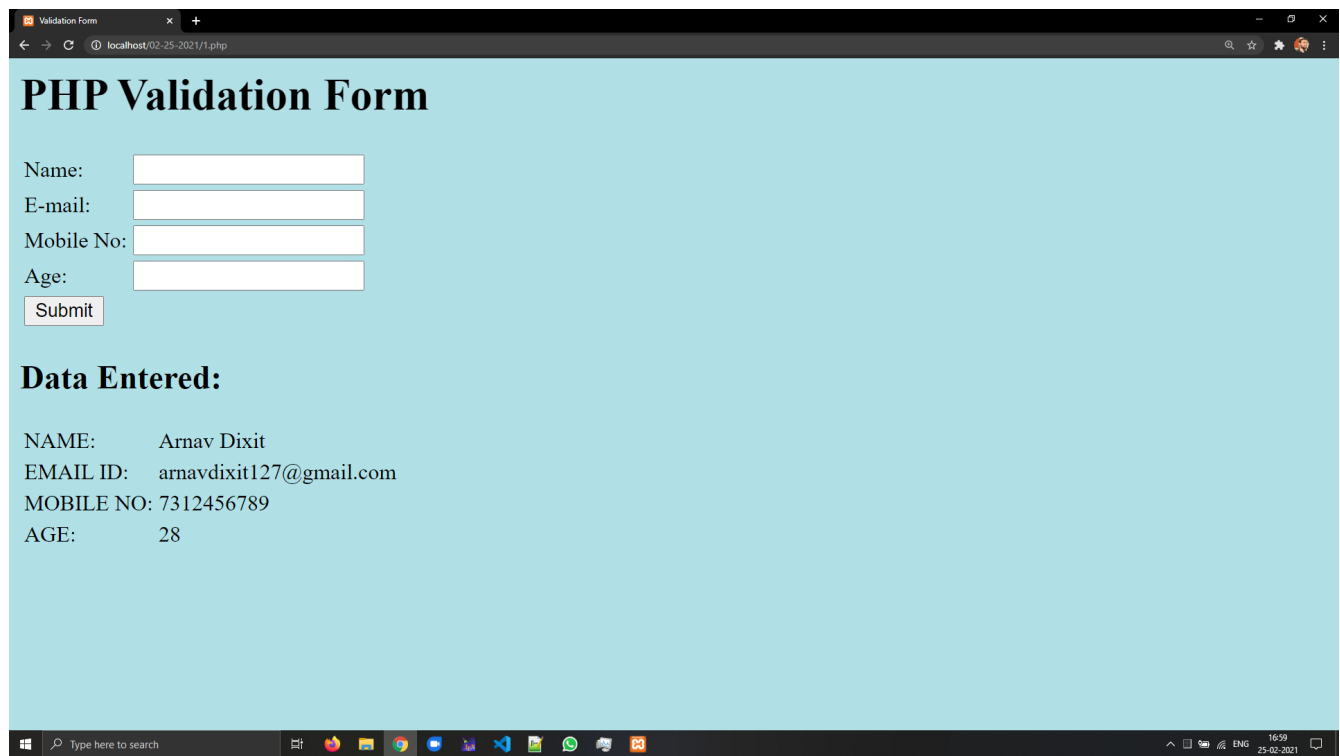
```
            <tr>
                <td><input type="submit" name="submit"></td>
            </tr>
        </table>
    </form>

    <?php
        if($_SERVER["REQUEST_METHOD"]=="POST" and $nameErr =="" and $emailErr=="" and $mobileErr=="" a
        {
            echo "<h2>Data Entered: </h2>";
            echo "<h3><table>";
            echo "<tr><td>NAME: </td><td>" . $name . "<td />";
            echo "<tr><td>EMAIL ID: </td><td>" . $email . "<td />";
            echo "<tr><td>MOBILE NO: </td><td>" . $mobile . "<td />";
            echo "<tr><td>AGE: </td><td>" . $age . "<td /><table></h3>";
        }
        $nameErr="";
        $emailErr="";
        $mobileErr="";
        $ageErr="";
    ?>

    </body>
</html>
```

Output

Figure 1: Errors on Invalid Input

Figure 2: Successful Submission