

ASSIGNMENT

Java & PHP Lab

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PHP Validation Form



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PHP Validation Form

Create a PHP form to input user data and validate it against some filter and constraints. The fields and constraints 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>
<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"]);
            }
        }
    }
}
```

```

    }
    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>
        <tr>
            <td>Mobile No: </td>
            <td><input type="number" name="mobile"></td>
            <td class="error"><?php echo $mobileErr; ?></td>
        </tr>
        <tr>
            <td>Age: </td>
            <td><input type="number" name="age"></td>
            <td class="error"><?php echo $ageErr; ?></td>
        </tr>
    </table>

```

```

        <tr>
            <td><input type="submit" name="submit"></td>
        </tr>
    </table>
</form>

<?php
    if($_SERVER["REQUEST_METHOD"]=="POST" and $nameErr =="" and $emailErr=="" and $mobileErr=="" and $ageErr=="")
    {
        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

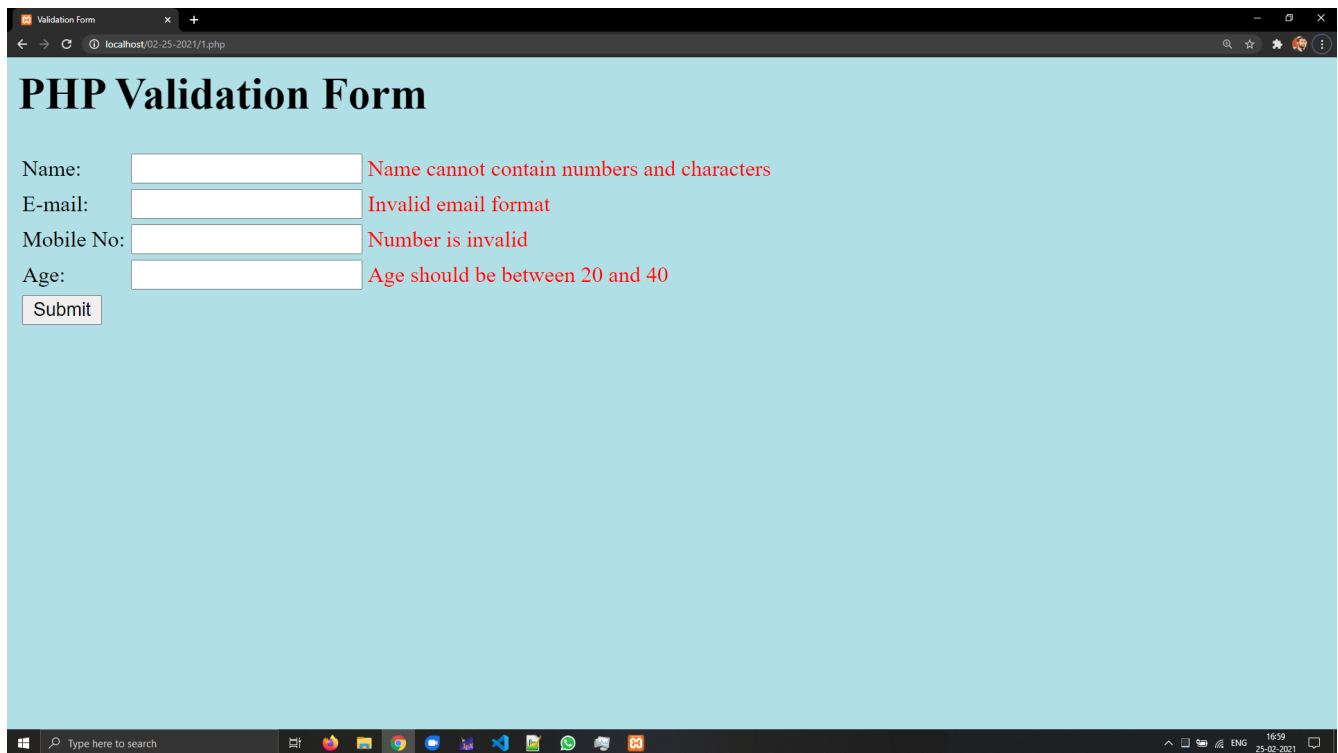
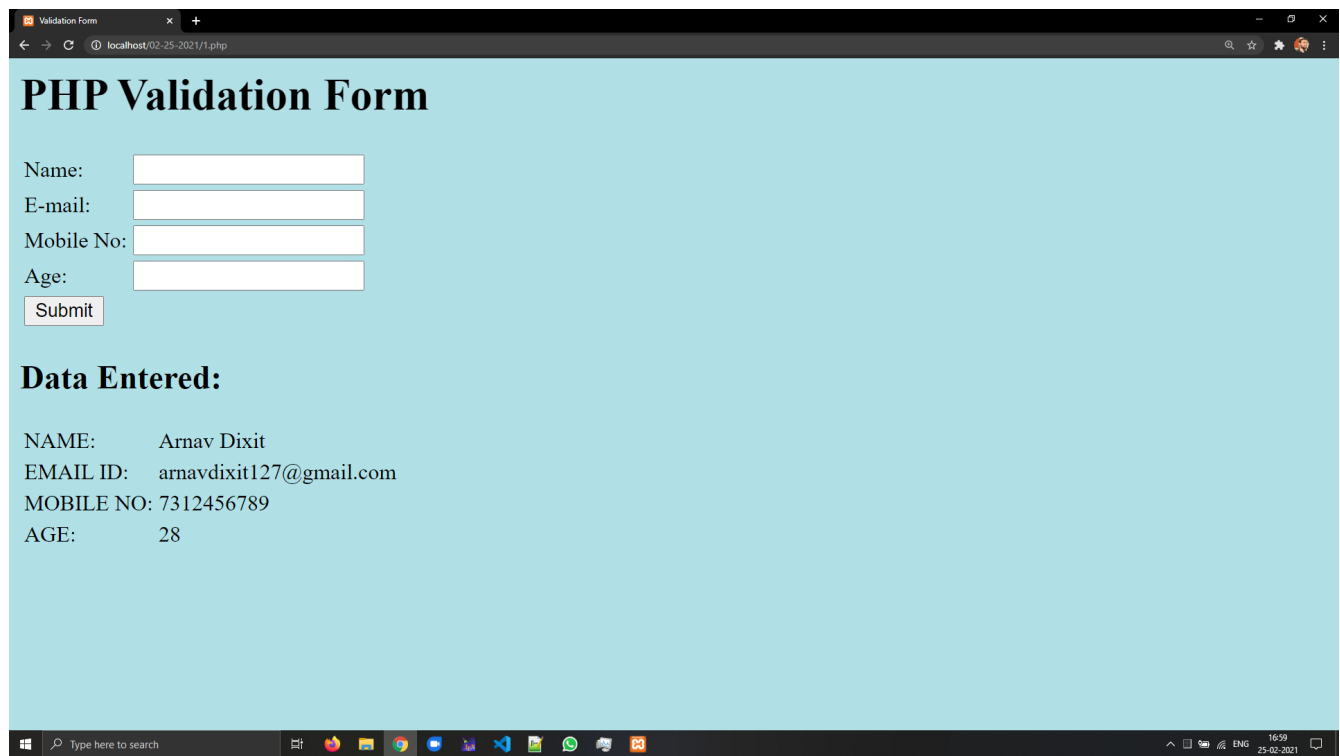


Figure 1: Errors on Invalid Input



The screenshot shows a web browser window titled "Validation Form" with the address bar displaying "localhost/02-25-2021/1.php". The page has a light blue background and features a form titled "PHP Validation Form". The form contains four input fields: "Name:", "E-mail:", "Mobile No:", and "Age:", each followed by a text box. Below these fields is a "Submit" button. Under the heading "Data Entered:", the submitted information is displayed: "NAME: Arnav Dixit", "EMAIL ID: arnavdixit127@gmail.com", "MOBILE NO: 7312456789", and "AGE: 28". The Windows taskbar at the bottom shows various application icons and the system clock indicating 16:39 on 25-02-2021.

PHP Validation Form

Name:

E-mail:

Mobile No:

Age:

Data Entered:

NAME: Arnav Dixit

EMAIL ID: arnavdixit127@gmail.com

MOBILE NO: 7312456789

AGE: 28

Figure 2: Successful Submission
