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Course Code and Name: 2CSDE69 LAMP Technology

Practical No. 9A

**Aim:** Using regular expressions check for the validity of entered email-id. The @ symbol should not appear more than once. The dot (.) can appear at the most once before @ and at the most twice or at least once after @ symbol. The substring before @ should not begin with a digit or underscore or dot or @ or any other special character. (Use explode and ereg function.)

### Methodology followed:

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

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Validation</title>

</head>

<body>
  <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]) ?>" method="POST">
    <div>
      <span>
        Email ID:
      </span>
      <input type="text" name="email" id="email" />

    </div>

    <input type="submit" value="Check" />
  </form>

  <?php
  function validateEmail($email)
  {
    // Check if @ symbol appears only once
    if (substr_count($email, '@') !== 1) {
      return false;
    }

    // Split the email address into two parts: local and domain
    list($local, $domain) = explode('@', $email);

    // Check substring before @ symbol
    if (preg_match('/^[d.@][^a-zA-Z0-9.-]/', $local)) {
      return false;
    }

    // Check the domain part
    if (!preg_match('/^[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/', $domain)) {
```

```

        return false;
    }

    // Check the position of dot (.)
    $dotPosition = strpos($local, '.');
    if ($dotPosition !== false && $dotPosition > strpos($local, '@')) {
        return false;
    }

    return true;
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["email"])) {
        echo "<h1>All fields are required</h1>";
        return;
    }
    $email = $_POST["email"];

    echo "<h3>";
    if (validateEmail($email)) {
        echo "$email is a valid email address.\n";
    } else {
        echo "$email is not a valid email address.\n";
    }
    echo "</h3>";
}

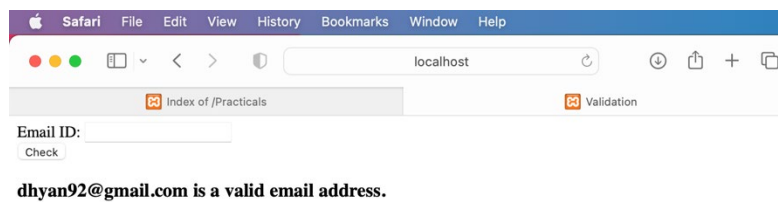
?>

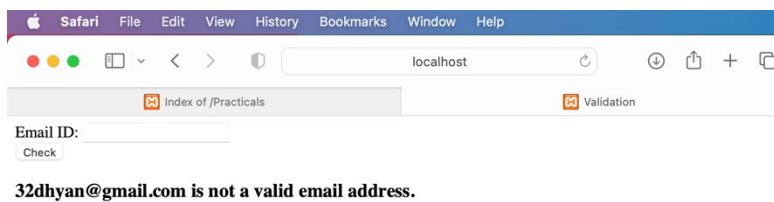
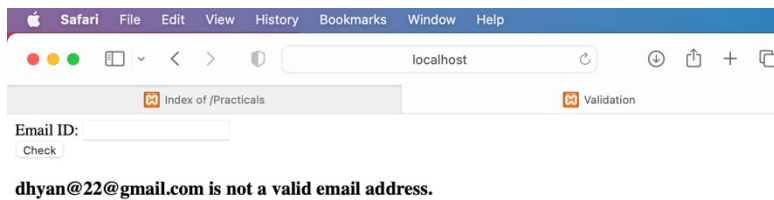
</body>

</html>

```

## Output:





## Practical No : 9B

**Aim:** Using regular expressions validate mobile number and password.

## Methodology Followed:

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

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mobile Validation</title>

</head>

<body>
  <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]) ?>" method="POST">
    <div>
```

```

        <span>
            Mobile No:
        </span>
        <input type="tel" name="mobile" id="mobile" />
    </div>
    <div>
        <span>
            Password:
        </span>
        <input type="tel" name="password" id="password" />
    </div>
    <input type="submit" value="Check" />
</form>

<?php
function validateMobileNumber($number)
{
    $pattern = '/^\d{10}$/';
    return preg_match($pattern, $number);
}

function validatePassword($password)
{
    $pattern = '/^(?=[a-z])(?=[A-Z])(?=\d)(?=[^a-zA-Z\d\s:]).{8,}$/';
    return preg_match($pattern, $password);
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["mobile"]) && empty($_POST["password"])) {
        echo "<h1>All fields are required</h1>";
        return;
    }
    $mobileNumber = $_POST["mobile"];
    $password = $_POST["password"];

    echo "<h3>";
    if (validateMobileNumber($mobileNumber)) {
        echo "$mobileNumber is a valid mobile number.\n";
    } else {
        echo "$mobileNumber is not a valid mobile number.\n";
    }

    if (validatePassword($password)) {
        echo "$password is a valid password.\n";
    } else {
        echo "$password is not a valid password.\n";
    }
    echo "</h3>";
}

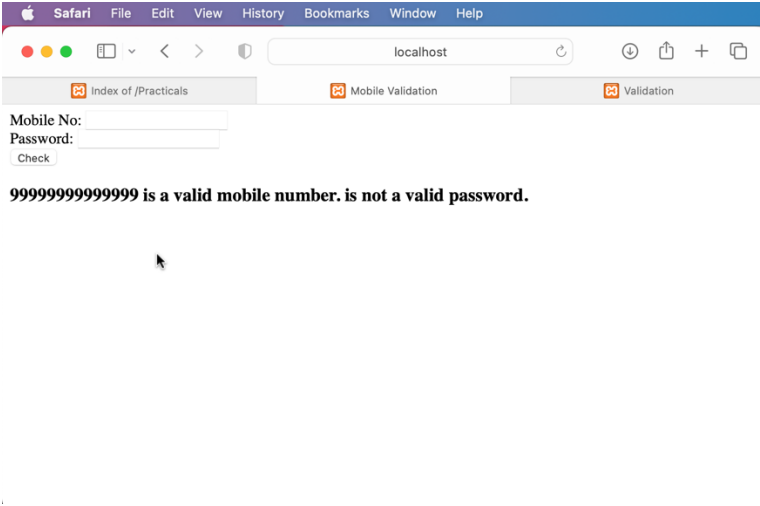
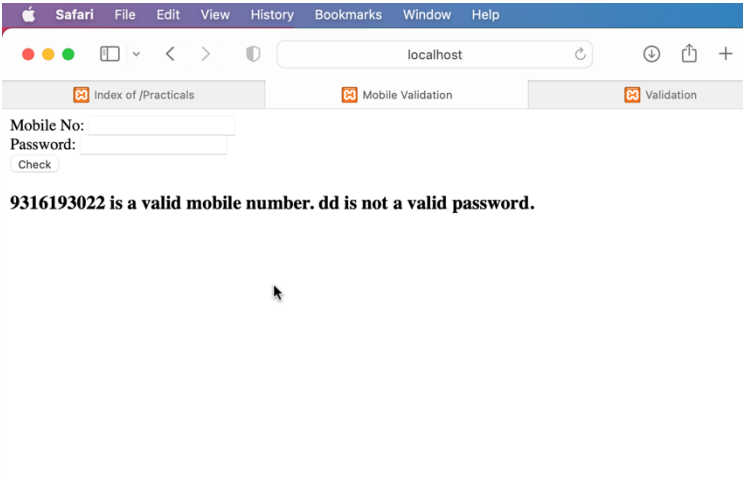
```

```
?>

</body>

</html>
```

Output:



Conclusion : We learned about validating email , mobile number and password using regex.