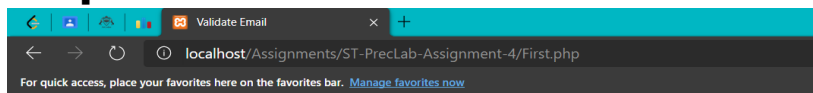


U18CO018
Shubham Shekhaliya
Assignment-4 (ST)

1-> Write a PHP program to validate email using a user-defined function.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Validate Email</title>
  </head>
  <body>
    <form method="post" action="First.php">
      <label for="email">Email:</label>
      <input name="email" type="text">
      <button type="submit" value='Submit'> Submit</button>
    </form>
    <?php
      if($_SERVER["REQUEST_METHOD"] == "POST") {
        $ans = "";
        $str = $_POST["email"];
        if(!empty($_POST["email"]) and preg_match("^[_a-z0-9-]+(\.[_a-z0-9-]+)*@[a-z0-9-]+(\.[a-z0-9-]+)*(\.?[a-z]{2,3})$", $str) ) {
          $ans = "Your Email address is ".$str;
        } else {
          $ans = "Email address is not valid";
        }
        echo $ans;
        echo "<br>";
      }
    <?>
  </body>
</html>
```

Output:-

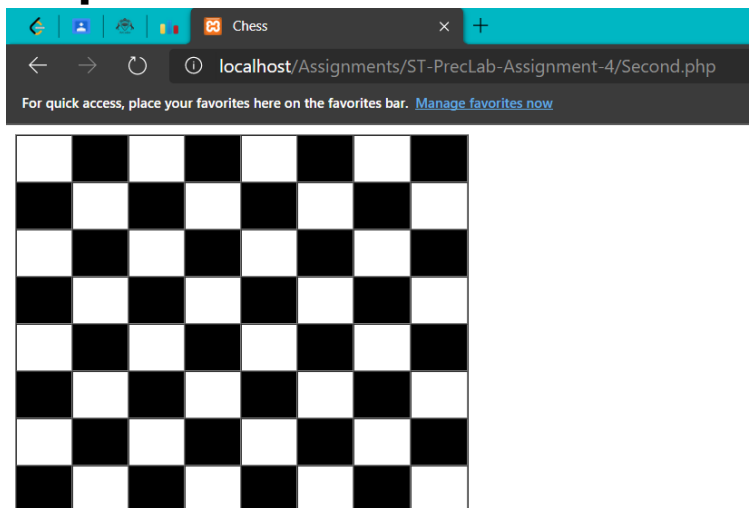


Email: Submit
Your Email address is abcde@fgh.com

2-> Write a program to create a Chess Board in PHP.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Chess</title>
  </head>
  <body>
    <table width="400px" cellspacing="0px" cellpadding="0px" border="1px">
      <?php
        for($row=1;$row<=8;$row++){
          echo "<tr>";
          for($column=1;$column<=8;$column++){
            $total=$row+$column;
            if($total%2==0){
              echo "<td height=40px width=40px bgcolor=#FFFFFF></td>";
            }
            else{
              echo "<td height=40px width=40px bgcolor=#000000></td>";
            }
          }
          echo "</tr>";
        }
      ?>
    </table>
  </body>
</html>
```

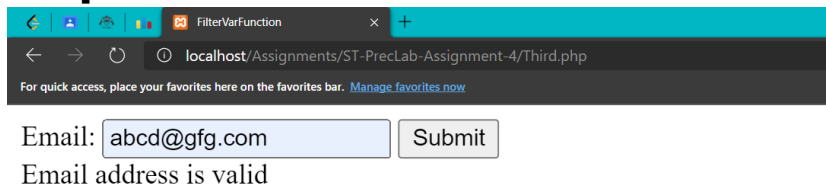
Output:-



3-> Write a program to demonstrate a filter_var function in PHP.

```
<!DOCTYPE html>
<html>
  <head>
    <title>FilterVarFunction</title>
  </head>
  <body>
    <form method="post" action="Third.php">
      <label for="email">Email:</label>
      <input name="email" type="text">
      <button type="submit" value='Submit'> Submit</button>
    </form>
    <?php
      if($_SERVER["REQUEST_METHOD"] == "POST") {
        $str = $_POST["email"];
        $ans="";
        if(!empty($_POST["email"]) and filter_var($str, FILTER_VALIDATE_E
MAIL) ) {
          $ans = "Email address is valid";
        } else {
          $ans = "Email address is not valid";
        }
        echo $ans;
        echo "</br>";
      }
    ?>
  </body>
</html>
```

Output:-



Email:

Email address is valid

4-> Write a program to implement a basic search engine.

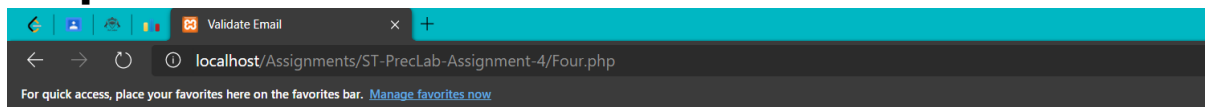
```
<!DOCTYPE html>
<html>
  <head>
    <title>Validate Email</title>
  </head>
  <body>
    <p>The following Pages are present</p>
    <p>Covid 19</p>
    <p>SVNIT</p>
    <p>DSA</p>
    <p>DAA</p>
    <p>AIML</p>
    <form method="post" action="Four.php">
      <label for="query">Enter Here:</label>
      <input name="query" type="text">
      <button type="submit" value='Submit'>Search</button>
    </form>
    <?php
      $query = "";
      if(!empty($_POST["query"])) {
        $query = $_POST["query"];
        if($query == 'Covid 19' or $query=='covid 19') {
          echo "<h2>Covid 19</h2>";
          echo "<p>Covid 19 is now a global pandemic.<br>
            Millions of people affected by it are now eagerly waiting for the situation to recover.<br>
            We can only hope the situation get better.</p>";
        } else if($query == 'SVNIT' or $query=='svnit') {
          echo "<h2>SVNIT</h2>";
          echo "<p>SVNIT is one of the most prestigious institute in India.<br>
            Thousands of students wish to get the admission and hope for their dream come true.<br>
            The institute is performing excellent in every aspect since last many years.</p>";
        } else if($query == 'DSA' or $query == 'dsa' ) {
          echo "<h2>Data Structure and Algorithm</h2>";
          echo "<p>Data structure and algorithm is interesting subject</p>";
          echo "<p>This subject contains the basic concept of the Data structure like stack, queue, tree, Graph </p>";
          echo "<p>and Introduction to the algorithm like Searching, Sorting, greedy algorithm, Tree traversal and graph algorithm</p>";
        } else if ($query == 'DAA' or $query == 'daa') {
```

```

        echo "<h2>Design and Algorithm Analysis</h2>";
        echo "<p>This is subject contains Running time and space comp
lexity of the Algorithm</br>
        We get knowledge about the Greedy Algorithm ,Dynamic Pr
ogramming and Divide and conquire<br>
        And various algorithm analysis technique</p>";
    } else if ($query == 'aiml' or $query == 'AIML' ) {
        echo "<h2>Artificial Intelligence and Machine Learning</h2>";
        echo "<p>This subject is to the introduction to the Artifiaci
al Intelligence and Machine Learning</p>";
    } else {
        echo "The search term DOES NOT EXIST";
    }
}
else {
    echo "Please Enter a valid string";
}
?>
</body>
</html>

```

Output:-



The following Pages are present

Covid 19

SVNIT

DSA

DAA

AIML

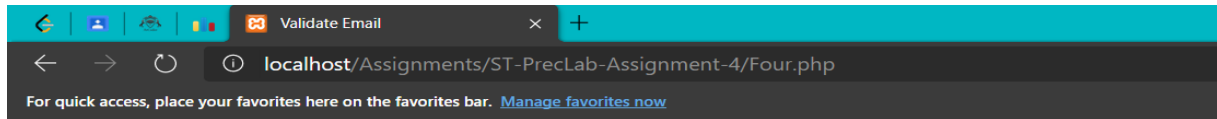
Enter Here:

Data Structure and Algorithm

Data structure and algorithm is interesting subject

This subject contains the basic concept of the Data sturcture like stack, queue, tree, Graph

and Introduction to the algorithm like Serching, Sorting, greedy algorithm, Tree traversal and graph algorithm



The following Pages are present

Covid 19

SVNIT

DSA

DAA

AIML

Enter Here:

The search term DOES NOT EXIST

5-> Create a student Registration form using HTML Form elements and display all student information on another page using PHP. Validate all the fields.

Five.php

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8" />
  <title>Registration Form</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <style>
    .form {
      width: 33%;
      margin-top: 5%;
      margin-left: 33%;
      background: #52c8ec;
      border-radius: 5px;
      margin-bottom: 5%;
    }
    body {
      font-family: 'Nunito', sans-serif;
      font-size: 20px;
      background: #531834;
    }
  </style>
</head>
<body>
  <div class="form">
    <div class="text">
      <h1>Registration Form</h1>
    </div>
  </div>
</body>
</html>
```

```

    }
    label {
        display: block;
        margin-bottom: 8px;
    }
    input[type="text"],input[type="password"],input[type="email"],
    input[type="date"],input[type="datetime"],input[type="email"],
    input[type="number"],input[type="search"],input[type="tel"],
    input[type="time"],input[type="url"],textarea,select {
        background: rgba(255,255,255,0.1);
        font-size: 18px;
        padding: 15px;
        width: 100%;
        background-color: #b145b1;
        color: #ffffff;
        margin-bottom: 30px;
    }
    .fieldset div {
        padding-left : 30px;
        padding-right: 30px;
        padding-bottom: 15px;
    }
    .btn {
        background-color: #ff7402;
        color: black;
        margin-left: 27%;
        border: 2px solid #e7e7e7;
    }
}
</style>
</head>
<body>
    <form class="form" name="form" action="Five-Help.php" method="POST"
        enctype="multipart/form-data">

        <div class="fieldset">
            <div style="padding-top: 30px; margin-bottom: 20px;">
                <label for="name">Name:</label>
                <input type="text" name="name" style="margin-bottom: 0px;">
                <small style="text-decoration: bold; font-size: 15px;">
                    Enter Letters Only </small>
            </div>

            <div>
                <label for="email">Email:</label>
                <input type="email" name="email">
            </div>

```

```

<div>
  <label for="dob">DOB:</label>
  <input type="date" name="dob">
</div>

<div >
  <label for="mobile">MobileNumber:</label>
  <input type="tel" name="mobile" style="margin-bottom: 0px;">
  <small style="text-decoration: bold; font-size: 15px;">
    Sample Format : 9876543210 </small>
</div>

<div >
  <label for="gender">Gender:</label>
  <input type="radio" name="gender" value="male">
    <span style="display:inline-block;"> Male </span>
  <input type="radio" name="gender" value="female">
    <span style="display:inline-block;"> Female </span> <br>
</div>

<div>
  <label for="post">Post:</label>
  <input type="radio" name="post" value="webDeveloper">
    <span style="display:inline-block;"> Web Developer </span>
  <input type="radio" name="post" value="programmer">
    <span style="display:inline-block;"> Programmer </span>
  <input type="radio" name="post" value="manager">
    <span style="display:inline-block;"> Manager </span> <br>
</div>

<div>
  <label for="idCard">Upload Id Card:</label>
  <input type="file" name="idCard">
</div>

<div style="margin-top: 15px;">
  <input type="submit" style="height: 50px; width: 200px;
    font-size: 20px; color: #ffffff;" name="submit" class="btn">
</div>

</div>
</form>
</body>
</html>

```


Five-Help.php

```
<?php
$name = "";
if(!empty($_POST["name"])) {
    $name = $_POST["name"];
    $name = trim($name);
    if(preg_match("/^[A-Za-z ]+$/",$name)){
        $name = "Welcome " . $name . " !! <br>";
    } else {
        $name = "You entered Invalid Name <br>";
    }
} else {
    $name = "Enter the Name <br>";
}

$email = "";
if(!empty($_POST["email"])) {
    $email = $_POST["email"];
    $email = trim($email);
    if(filter_var($email, FILTER_VALIDATE_EMAIL)) {
        $email = "Your Email address : " . $email . "<br>";
    } else {
        $email = "You entered Invalid Email address <br>";
    }
} else {
    $email = "Enter the email <br>";
}

$date = "";
if(!empty($_POST["dob"])) {
    $date = $_POST["dob"];
    $date = date("Y-m-d",strtotime($date));
    list($y, $m, $d) = explode("-", $date);
    if(checkdate($m,$d,$y)) {
        $date = "Date of the birth " . $date . "<br>";
    } else {
        $date = "you entered invalid date of the Birth <br>";
    }
} else {
    $date = "Enter the date of the Birth <br>";
}

$mobilenumber = "";
if(!empty($_POST["mobile"])) {
    $mobilenumber = $_POST["mobile"];
```

```

        if(is_numeric($mobilenumber) and strlen($mobilenumber) == 10) {
            $mobilenumber = "Your mobile number is " . $mobilenumber . "<br>";
        } else {
            $mobilenumber = "You entered invalid mobile number <br>";
        }
    } else {
        $mobilenumber = "Enter the mobile number <br>";
    }

    $gender = "";
    if(!empty($_POST["gender"])) {
        $gender = "You entered Gender as " . trim($_POST["gender"]) . "<br>";
    } else {
        $gender = "Select the Gender <br>";
    }

    $job = "";
    if(!empty($_POST["post"])) {
        $job = "You are applying for the post of " . trim($_POST["post"]) . "<br>";
    } else {
        $job = "Select the Post <br>";
    }

    if(isset($_POST['submit'])) {
        $idCard = "";
        $target_dir = "uploads/";
        $target_file = $target_dir . basename($_FILES["idCard"]["name"]);
        $fileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));
        if(isset($target_file)){
            $idCard = "Upload Id card !! <br>";
        } else if (file_exists($target_file)) {
            $idCard = "Sorry, file already exists. <br>";
        } elseif ($_FILES["idCard"]["size"] > 1000000) {
            $idCard = "Enter less than 1000KB File<br>";
        } elseif ($fileType != "pdf") {
            $idCard = "Sorry, only PDF files are allowed. <br>";
        } elseif (@move_uploaded_file($_FILES["idCard"]["tmp_name"], $target_file)) {
            $idCard = "File uploaded. <br>";
        } else {
            $idCard = "There is some error while submitting file <br>";
        }
    }

    echo $name . $email . $mobilenumber . $date . $gender . $job . $idCard;
?>

```

Output :-

The screenshot shows a web browser window with a registration form. The form is titled "Registration Form" and is located at the URL "localhost/Assignments/ST-PrecLab-Assignment-4/Five.php". The form contains the following fields and options:

- Name:** A text input field with the placeholder text "Enter Letters Only".
- Email:** A text input field.
- DOB:** A date input field with the placeholder text "mm/dd/yyyy".
- MobileNumber:** A text input field with the placeholder text "8796543210". Below the field, it says "Sample Format : 9876543210".
- Gender:** Two radio buttons labeled "Male" and "Female".
- Post:** Three radio buttons labeled "Web Developer", "Programmer", and "Manager".
- Upload Id Card:** A file upload button labeled "Choose File" and a text label "No file chosen".
- Submit:** An orange button labeled "Submit".

The screenshot shows a web browser window with a help page. The page is titled "localhost/Assignments/ST-PrecLab-Assignment-4/Five-Help.php". The page contains the following text:

Enter the Name
Enter the email
Your mobile number is 8796543210
Enter the date of the Birth
Select the Gender
You are applying for the post of programmer
Upload Id card !!

6-> Write a PHP script to make a web application take a name as input and on submit it shows a hello <name> page where <name> is taken from the request. And provide a logout button on clicking this button it should show a logout page with a thank you <name> message.

Six.php

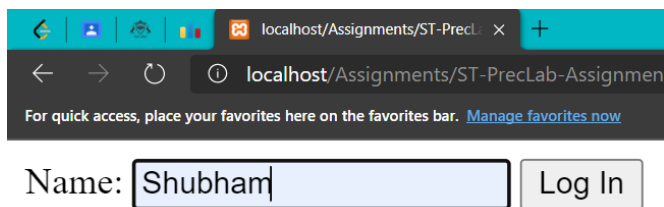
```
<!DOCTYPE html>
<html>
  <body>
    <form method="POST" action = "SixthSession.php">
      <label for="name">Name: </label>
      <input name = "name" type="text">
      <input type="submit" value="Log In">
    </form>
  </body>
</html>
```

SixthSession.php

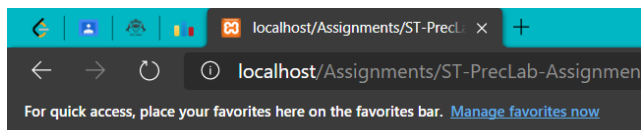
```
<!DOCTYPE html>
<html>
  <?php
    session_start();
    $_SESSION["name"] = $_POST["name"];
    if(isset($_SESSION["name"]) && !empty($_SESSION["name"])) {
      echo "Welcome, " . $_SESSION["name"];
      echo "<br>";
      echo "Logged in";
      echo "<br>";
      echo "<a href='sixHelp.php'>To logout click here!!!</a>";
      echo "<br>";
    } else {
      echo "Something went wrong";
      echo "<br>";
      echo "<a href = 'sixth.php'>Go back to the home page</a>";
      echo "<br>";
    }
  ?>
</html>
```

SixHelp.php

```
<!DOCTYPE html>
<html>
  <?php
    session_start();
    session_destroy();
    echo 'Thank you';
    echo "</br>";
    echo "Logged out";
    echo "</br>";
    echo "<a href = 'six.php'>Go back to the home page</a>";
  ?>
</html>
```

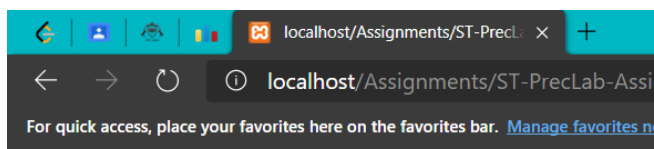


A screenshot of a web browser window. The address bar shows 'localhost/Assignments/ST-PrecLab-Assignment'. Below the address bar, there is a form with a label 'Name:' followed by a text input field containing 'Shubham' and a 'Log In' button.



A screenshot of a web browser window. The address bar shows 'localhost/Assignments/ST-PrecLab-Assignment'. The page content displays a welcome message: 'Welcome, Shubham', 'Logged in', and a link 'To logout click here!!!'.

Welcome, Shubham
Logged in
[To logout click here!!!](#)



A screenshot of a web browser window. The address bar shows 'localhost/Assignments/ST-PrecLab-Assignment'. The page content displays a thank you message: 'Thank you', 'Logged out', and a link 'Go back to the home page'.

Thank you
Logged out
[Go back to the home page](#)