## **Internet and Web Programming**

## Lab Assignment-4

-17BCE2416

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### 1. Write a php program to demonstrate on file handling functions

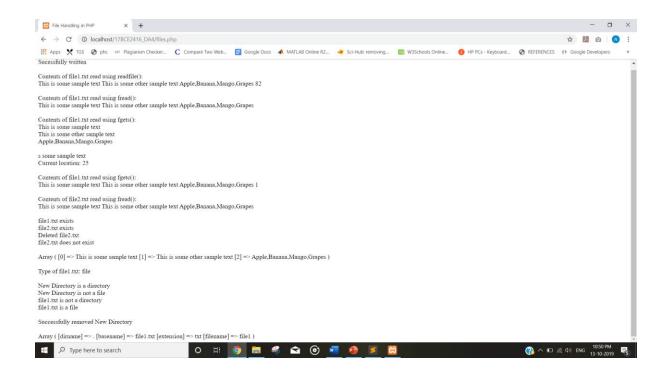
#### File handling functions demonstration:

## files.php:

```
<!DOCTYPE html>
<html>
<head>
       <title>File Handling in PHP</title>
</head>
<body>
<?php
       $myfile = fopen("file1.txt", "w") or die("Unable to create file!");
       fwrite (\$myfile, "This is some sample text \verb|\| n");
       fwrite($myfile, "This is some other sample text\n");
       fputcsv($myfile, array("Apple", "Banana", "Mango", "Grapes"));
       echo "Sucessfully written<br>";
       fclose($myfile);
       echo "<br/>br>Contents of file1.txt read using readfile():<br>";
       echo readfile("file1.txt");
//This is some sample text This is some other sample text Apple,Banana,Mango,Grapes 82
       $myfile = fopen("file1.txt", "r") or die("Unable to open file!");
       echo "<br>>Contents of file1.txt read using fread():<br>";
       echo fread($myfile,filesize("file1.txt"));
       fclose($myfile);
//This is some sample text This is some other sample text Apple,Banana,Mango,Grapes
       $myfile = fopen("file1.txt", "r") or die("Unable to open file!");
       echo "<br>Contents of file1.txt read using fgets():<br>";
       while(!feof($myfile)) {
              echo fgets($myfile) . "<br>";
       }
//This is some sample text
//This is some other sample text
//Apple,Banana,Mango,Grapes
```

```
fseek($myfile,6);
       echo fgets($myfile);
//s some sample text
       echo "<br/>br>Current location: ".ftell($myfile);
//Current location: 25
       fclose($myfile);
       $myfile = fopen("file1.txt", "r") or die("Unable to open file!");
       echo "<br/>br>Contents of file1.txt read using fgetc():<br/>';
       while(!feof($myfile)) {
        echo fgetc($myfile);
       fclose($myfile);
// This is some sample text This is some other sample text Apple, Banana, Mango, Grapes 1
       echo copy("file1.txt","file2.txt");
       $myfile = fopen("file2.txt", "r") or die("Unable to open file!");
       echo "<br>Contents of file2.txt read using fread():<br>";
       echo fread($myfile,filesize("file2.txt"));
// This is some sample text This is some other sample text Apple, Banana, Mango, Grapes
       fclose($myfile);
       if(file_exists("file1.txt")==1)
               echo '<br>file1.txt exists<br/;
       else
               echo '<br>file1.txt does not exist<br/>;
// file1.txt exists
       if(file_exists("file2.txt")==1)
               echo 'file2.txt exists<br>';
       else
               echo 'file2.txt does not exist<br>';
// file2.txt exists
       $file = "file2.txt";
       if (!unlink($file))
         echo ("Error deleting file2.txt<br>");
       else
         echo ("Deleted file2.txt<br>");
// Deleted file2.txt
       if(file_exists("file2.txt")==1)
               echo 'file2.txt exists<br>';
       else
               echo 'file2.txt does not exist<br>';
// file2.txt does not exist
```

```
print_r(file("file1.txt"));
// Array ([0] => This is some sample text [1] => This is some other sample text [2] =>
Apple,Banana,Mango,Grapes)
       echo "<br>Type of file1.txt: ".filetype("file1.txt");
// Type of file1.txt: file
       $file = "New Directory";
       mkdir("New Directory");
       if(is_dir("New Directory"))
        echo ("<br><file is a directory");
       else
        echo ("<br>>$file is not a directory");
//New Directory is a directory
       if(is_file($file))
        echo ("<br>$file is a file");
       else
        echo ("<br>$file is not a file");
// New Directory is not a file
       $file = "file1.txt";
       if(is_dir($file))
        echo ("<br/>sfile is a directory");
        echo ("<br/>sfile is not a directory");
// file1.txt is not a directory
       if(is_file($file))
        echo ("<br>$file is a file<br>>");
       else
        echo ("<br>$file is not a file<br>>");
// file1.txt is a file
       $path = "New Directory";
       if(!rmdir($path))
        echo ("Could not remove $path<br>>");
       else
        echo ("Successfully removed $path<br>>");
// Successfully removed New Directory
       print_r(pathinfo("file1.txt"));
// Array ( [dirname] => . [basename] => file1.txt [extension] => txt [filename] => file1 )
?>
</body>
</html>
```

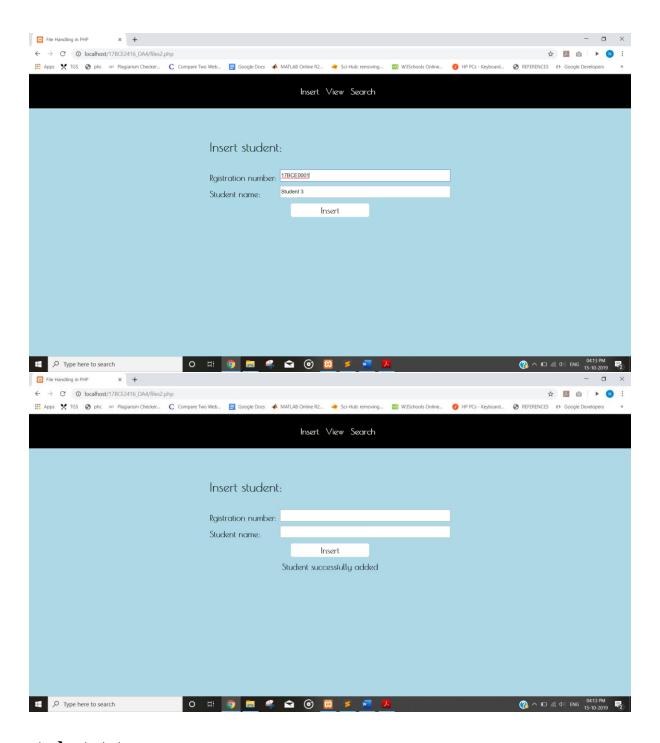


#### File handling application: (Student class list)

#### files2.php:

```
<!DOCTYPE html>
<html>
<head>
      <title>File Handling in PHP</title>
      <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
      <nav>
   \langle ul \rangle
     <a href="files2.php">Insert</a>
     <a href="view.php">View</a>
     <a href="search.php">Search</a>
   </nav>
      <br/>br>
      <form method="POST" action="<?php $_PHP_SELF ?>" id="myForm">
             <h2><b>Insert student:</b></h2>
             <label for="regno">Rgistration number:</label>
             <input type="text" name="regno" pattern="[0-9]{2}[A-Za-z]{3}[0-9]{4}"</pre>
required><br>
             <label for="name">Student name:</label>
             <input type="text" name="sname" required><br>
             <div class="center"><button type="submit" form="myForm" value="Submit"</pre>
name="insert">Insert</button></div>
```

```
</form>
       <?php
   if(isset($_POST['insert'])) {
     $regno = trim($_POST['regno']);
     $sname = trim($_POST['sname']);
     function write($regno, $sname){
       $myfile = fopen("students.txt", "a") or die('<span style="color: red;">Error</span>');
       fputcsv($myfile, array($regno, $sname));
       echo 'Student successfully added';
     }
     if(file_exists("students.txt")==1){
       $myfile = fopen("students.txt", "r") or die('<span style="color: red;">Could not open
file</span>');
       $str = fread($myfile,filesize("file1.txt"));
       if(stristr($str,$regno)!="){
         echo '<span style="color: red;">Student already exists</span>';
       else write($regno, $sname);
       fclose($myfile);
     }
     else write($regno, $sname);
  ?>
</body>
</html>
Insert View Search
                           Insert student:
                           Rgistration number:
                           Student name:
                                             Insert
Type here to search
                       O H 🧿 🔚 🤻 ὰ 🎯 🔀 🇾 🏴
```

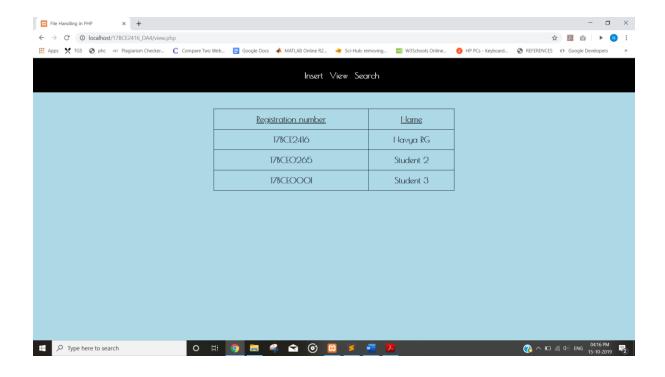


#### students.txt:

## view.php:

<!DOCTYPE html>

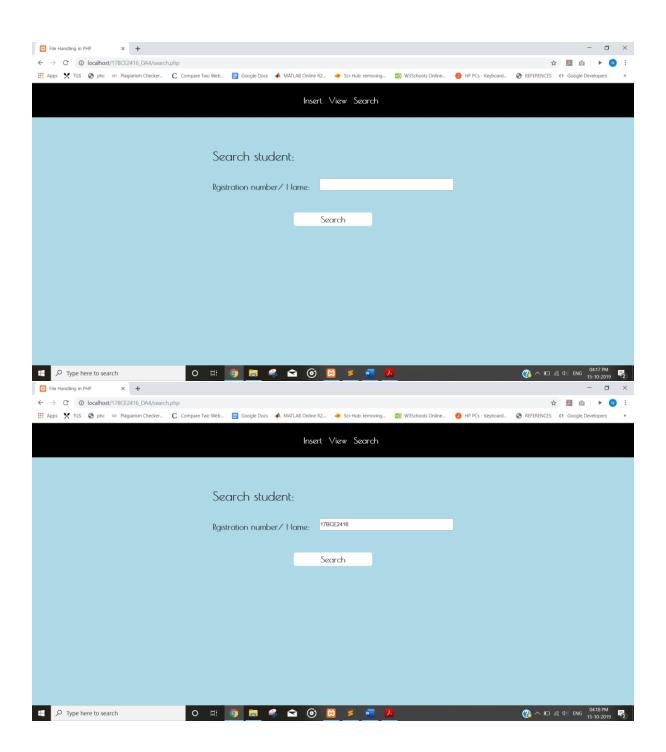
```
<html>
<head>
       <title>File Handling in PHP</title>
       <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
       <nav>
   \langle ul \rangle
    <a href="files2.php">Insert</a>
    <a href="view.php">View</a>
    <a href="search.php">Search</a>
   </nav>
       <br>>
       <?php
             if(file_exists("students.txt")==0){
                    echo 'No records found';
              }
             else{
                     $myfile = fopen("students.txt", "r") or die('<span style="color: red;">Could
not open file</span>');
                    echo "Registration numberName";
                     while(!feof($myfile)) {
                            $s = fgets($myfile);
                            $s = explode(",",$s);
                           if($s[0]!=" && $s[1]!="){
                                   s[1] = substr(s[1], 1, strlen(s[1])-3);
                                   echo "$s[0]$s[1]";
                            }
                    echo "";
                    fclose($myfile);
              }
       ?>
</body>
</html>
```

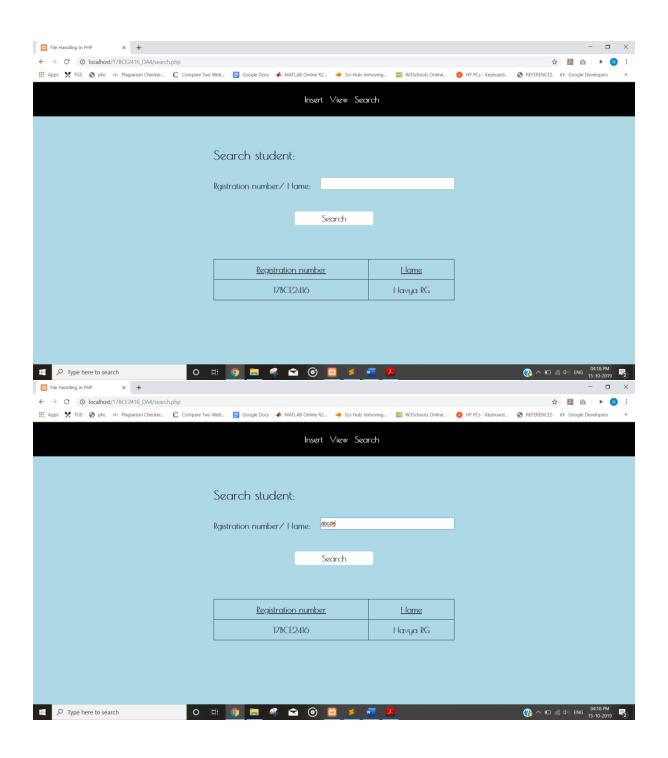


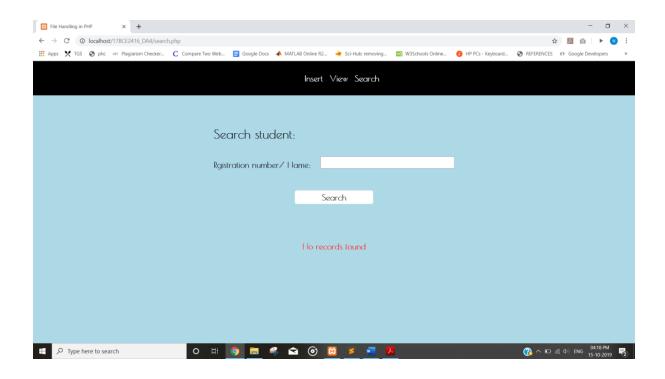
## search.php:

```
<!DOCTYPE html>
<html>
<head>
      <title>File Handling in PHP</title>
      k rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
      <nav>
   ul>
     <a href="files2.php">Insert</a>
     <a href="view.php">View</a>
     <a href="search.php">Search</a>
   </nav>
      <form method="POST" action="<?php $_PHP_SELF ?>" id="myForm">
             <h2><b>Search student:</b></h2>
             <label for="query">Rgistration number/ Name:</label>
             <input type="text" name="query" style="width:55%;" required><br><br>
             <div class="center"><button type="submit" form="myForm" value="Submit"</pre>
name="search">Search</button></div>
      </form><br><br>>
      <?php
            if(isset($_POST['search'])) {
```

```
$query = trim($_POST['query']);
                    if(file_exists("students.txt")==0){
                          echo 'No records found';
                    }
                    else{
                           $myfile = fopen("students.txt", "r") or die('<span style="color:
red;">Could not open file</span>');
                           $regno = "";
                           $name = "";
                          while(!feof($myfile)){
                                 $s = fgets($myfile);
                                 s = explode(",",s);
                                 if($s[0]!=" && $s[1]!="){
                                        s[1] = substr(s[1], 1, strlen(s[1])-3);
                                 if($s[0]!=" && $s[1]!=" &&
(strtolower(\$s[0]) = = strtolower(\$query) || strtolower(\$s[1]) = = strtolower(\$query)))
                                        sec{regno} = sec{0};
                                        ne = s[1];
                                 }
                          if($regno!=" && $name!="){
                                 echo "Registration
numberName$regno$name";
                          else{
                                 echo '<span style="color: red;">No records
found</span>';
                          fclose($myfile);
                    }
</body>
</html>
```







# 2. Write a php program to apply session management and cookies in a webpage

```
<!DOCTYPE html>
<html>
<head>
      <title>Cookies and Session</title>
      k rel="stylesheet" type="text/css" href="style.css">
</head>
<?php
      session_start();
      setcookie("username", "navya", time()+60*60*24*10);
      setcookie("password", "12345", time()+60*60*24*10);
      echo '<span class="red">$_COOKIE: </span>'; print_r($_COOKIE); echo '<br>';
?>
<body>
      <?php
             if (isset($_GET['logout'])) {
             unset($_SESSION['user']);
             header("Location: http://localhost/17BCE2416_DA4/cookies&session.php");
             if(isset($_POST['login'])) {
           $username = $_POST['username'];
           $password = $_POST['password'];
           if($username==$_COOKIE["username"] &&
$password==$_COOKIE["password"]){
             echo '<span class="red">$_SESSION before login: </span>';
print_r($_SESSION); echo '<br>';
```

```
echo "<br/>br>Successfully logged in<br/><br/>;
              $ SESSION['user'] = $username;
              echo '<span class="red">$_SESSION after login: </span>';
print_r($_SESSION); echo '<br>';
              echo "<br/>br>Hello ".$_SESSION['user']."!!<br/>';
              echo "<a
href='cookies&session.php?logout=true'><button>Logout</button></a>";
            }
           else
              echo "<br/>br>Invalid username or password";
         }
         else{
              echo '<span class="red">$_SESSION: </span>'; print_r($_SESSION); echo
'<br>';
       <h1>Login:</h1>
       <form method="POST" action="<?php $_PHP_SELF ?>" id="loginForm">
              <label for="username">Username:</label>
              <input type="text" name="username">
              <label for="password">Password</label>
              <input type="password" name="password"><br><br>
              <div class="center"><button type="submit" form="loginForm"</pre>
value="Submit" name="login">Login</button></div>
       </form>
<?php } ?>
       <span id="status"></span>
       <!-- <script type="text/javascript">
              while(true){
                     var status = "<?php //echo $status ?>";
                     document.getElementById("status").innerHTML = status;
       </script> -->
</body>
```

