

Slips 8-30 PHP programs



NOTE : I am encountering difficulties with database programs, specifically from program 26 to 30. In program 26, the database is successfully joined, but I am unable to fetch data from the query. Additionally, I am facing challenges with file-handling programs like program 25, which I have not been able to resolve.

PRAY GOD FOR EASY SLIP : JAI SHREE RAM 🙏🙏

Q.2) Create HTML5 page with following specifications

- i) Title should be about your City.**
- ii) Color the background by Pink color.**
- iii) Place your city name at the top of page in large text and in blue color.**
- iv) Add names of the landmarks in your city, each in different color, style and font v) Add any image at the bottom. (Use inline CSS to format the web page)**

→

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My City</title>
</head>
<body style="background-color: pink;">

  <!-- City Name in Large Text with Blue Color -->
  <h1 style="color: blue; font-size: 50px; text-align: center;">My City</h1>

  <!-- List of Landmarks with Different Colors, Fonts, and Styles -->
  <h2 style="color: green; font-family: 'Arial';">Landmark 1: Central Park</h2>
  <h2 style="color: purple; font-family: 'Times New Roman'; font-style: italic;">Landmark 2:
National Museum</h2>
  <h2 style="color: orange; font-family: 'Courier New'; font-weight: bold;">Landmark 3: City
Tower</h2>

  <!-- Image at the Bottom with Inline CSS Formatting -->
  <div style="text-align: center; margin-top: 50px;">
    
  </div>

</body>
</html>
```

Q3) Write a program using html with following CSS specifications-

- i. The background colour of the company name should be in green.**
- ii. The text colour of the company name should be red.**
- iii. The heading should be large –with font "comic sans ms"**
- iv. The description of the company should be displayed in blue color in a paragraph**

→

Html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Company Page</title>
  <link rel="stylesheet" href="3.css">
</head>
<body>
  <h1 class="company-name">My Company</h1>
  <h2 class="heading">Welcome to Our Company</h2>
  <p class="description">
    Our company is dedicated to providing top-notch services to our clients. We believe in
    quality and customer satisfaction.
  </p>
</body>
</html>
```

CSS

```
/* Style for the company name */
.company-name {
  background-color: green;
  color: red;
  font-family: 'Comic Sans MS', sans-serif;
}

/* Style for the heading */
.heading {
  font-size: 36px;
  font-family: 'Comic Sans MS', sans-serif;
}
```

```
/* Style for the description paragraph */
.description {
    color: blue;
    font-size: 18px;
}
```

Q4)Write a HTML code, which generate the following output

```
→<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>List of Books</title>
    <style>
        table, th, td {
            border: 1px solid black;
            border-collapse: collapse;
        }
        th, td {
            padding: 10px;
            text-align: center;
        }
        th[colspan="3"] {
            text-align: center;
        }
    </style>
</head>
<body>
    <table>
        <tr>
            <th colspan="3">List of Books</th>
            <th colspan="2">Price</th>
        </tr>
        <tr>
            <th>Item No</th>
            <th>Item Name</th>
            <th>Rs.</th>
            <th>Paise</th>
        </tr>
        <tr>
            <td>1</td>
            <td>Programming in Python</td>
            <td>500</td>
            <td>50</td>
        </tr>
        <tr>
            <td>2</td>
```

```

        <td>Programming in Java</td>
        <td>345</td>
        <td>00</td>
    </tr>
</table>
</body>
</html>

```

Q5)) Create following Bootstrap Web Layout Design and change Title, add your personal information, educational information, job profile

→

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Profile Page</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>

    <!-- Header Section -->
    <div class="container-fluid bg-light p-5 text-center">
        <h1>My Personal Profile</h1>
        <p>Explore my personal, educational, and job details below.</p>
    </div>

    <!-- Information Sections -->
    <div class="container">
        <div class="row text-center">
            <!-- Personal Information -->
            <div class="col-md-4">
                <h2>Personal Information</h2>
                <p>Name: John Doe</p>
                <p>Age: 22</p>
                <p>Location: Pune, India</p>
                <p>Email: john.doe@example.com</p>
            </div>

            <!-- Educational Information -->
            <div class="col-md-4">
                <h2>Educational Information</h2>
                <p>BSc Computer Science, Dr. D.Y. Patil Arts, Commerce & Science College</p>
                <p>Graduation Year: 2024</p>
                <p>Specialization: Software Development</p>
            </div>

```

```

        <!-- Job Profile -->
        <div class="col-md-4">
            <h2>Job Profile</h2>
            <p>Position: Software Intern</p>
            <p>Company: XYZ Technologies</p>
            <p>Skills: C++, Java, Web Development</p>
            <p>Experience: 6 months internship</p>
        </div>
    </div>
</div>

```

Q6) Create following Bootstrap Web Layout Design and set Header background color Blue, add your College name, set Menu section background color green create menu About Us, In content section add college information, background color yellow, Footer section background color red, add address of college.

```

→<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>College Layout</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
    <!-- <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65Vohhpuu
COMLASjC" crossorigin="anonymous"> -->
    <style>
        .header {
            background-color: blue;
            color: white;
            text-align: center;
            padding: 20px;
        }
        .menu {
            background-color: green;
            color: black;
            padding: 20px;
        }
        .content {
            background-color: yellow;
            padding: 20px;
        }
    </style>

```

```

.footer {
  background-color: red;
  color: white;
  text-align: center;
  padding: 20px;
}
</style>
</head>
<body>

<!-- Header -->
<div class="header">
  <h1>Dr. D.Y. Patil Arts, Commerce & Science College</h1>
</div>

<!-- Main Layout -->
<div class="container-fluid">
  <div class="row">
    <!-- Menu Section -->
    <div class="col-md-3 menu">
      <h2>Menu</h2>
      <ul class="nav flex-column">
        <li class="nav-item">
          <a class="nav-link active text-white" href="#">About Us</a>
        </li>
        <li class="nav-item">
          <a class="nav-link text-white" href="#">Programs</a>
        </li>
        <li class="nav-item">
          <a class="nav-link text-white" href="#">Admissions</a>
        </li>
        <li class="nav-item">
          <a class="nav-link text-white" href="#">Contact</a>
        </li>
      </ul>
    </div>

    <!-- Content Section -->
    <div class="col-md-9 content">
      <h2>About Our College</h2>
      <p>Dr. D.Y. Patil Arts, Commerce & Science College, located in Pimpri, Pune, is a premier institution providing quality education in various disciplines. The college is known for its excellent academic programs, state-of-the-art infrastructure, and a focus on holistic development of students.</p>
      <p>Our college offers undergraduate and postgraduate programs in Arts, Commerce, Science, and IT, fostering academic excellence and professional growth.</p>
    </div>
  </div>
</div>

```

```

</div>

<!-- Footer -->
<div class="footer">
    <p>Address: Sant Tukaram Nagar, Pimpri, Pune, Maharashtra 411018</p>
</div>

</body>
</html>

```

Q7) Design HTML 5 Page Using CSS Which Displays the following Navigation Bar

→

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Navigation Bar</title>
    <style>
        body {
            font-family: Arial, sans-serif;
        }
        .navbar {
            background-color: lightgray;
            padding: 10px;
            display: flex;
        }
        .navbar a {
            text-decoration: none;
            padding: 10px 20px;
            margin: 0 5px;
            color: blue;
            font-size: 18px;
        }
        .navbar a:hover {
            background-color: darkgray;
        }
        .navbar a:first-child {
            background-color: gray;
            color: white;
        }
    </style>
</head>
<body>
    <div class="navbar">
        <a href="#">Home</a>
        <a href="#">Java</a>
        <a href="#">HTML</a>
    </div>

```

```

        <a href="#">CSS</a>
    </div>
</body>
</html>

```

Q.8) Design an HTML form to accept two strings from the user. Write a PHP script for the following

- Find whether the small string appears at the start of the large string**
- Find the position of the small string in the big string.**
- Compare both the string for first n characters, also the comparison should not be case sensitive**

→

Html file

```

<html>
<body>
    <form action='8.php' method=post>
        <pre>
Enter first string :<input type='text' name='str1'><br>
Enter second string :<input type='text' name='str2'><br>
Enter number of n for comparison:<input type='text' name='n'><br></h2>

        <input type='radio' name="ch" value=1>Small string at the start of large string
        <input type='radio' name="ch" value=2>To find the position
        <input type='radio' name="ch" value=3>Comparison of both strings.

        <input type=submit value=ok> <input type=reset value=cancel>
    </pre>
    </form>
</body>
</html>

```

PHP file

```

<?php
$str1 = $_POST['str1'];
$str2 = $_POST['str2'];
$n = $_POST['n'];
$ch = $_POST['ch'];

switch ($ch) {
    case 1:
        // a. Check if the small string appears at the start of the big string
        if (strpos($str1, $str2) === 0) {
            echo "The small string '$str2' appears at the start of the big string '$str1'.<br>";

```



```

    } else {
        echo "The small string '$str2' does not appear at the start of the big string
'$str1'.<br>";
    }
    break;
case 2:
    // b. Find the position of the small string in the big string
    $position = strpos($str1, $str2);
    if ($position !== false) {
        echo "The small string '$str2' is found at position $position in the big string.<br>";
    } else {
        echo "The small string '$str2' is not found in the big string.<br>";
    }
    break;
case 3:
    // c. Compare both strings for the first n characters (case-insensitive)
    if ($n > 0) {
        $str1Substring = substr($str1, 0, $n);
        $str2Substring = substr($str2, 0, $n);
        if (strcasecmp($str1Substring, $str2Substring) == 0) {
            echo "The first $n characters of both strings are the same (case-insensitive).<br>";
        } else {
            echo "The first $n characters of both strings are different.<br>";
        }
    } else {
        echo "Please enter a valid number of characters for comparison.<br>";
    }
    break;
}

```



Q9) Write a PHP script for the following: Design a form having a text box and a drop down list

containing any 3 separators(e.g. #, |, %, @, ! or comma) accept a string from the user and also a separator.

a. Split the string into separate words using the given separator.

b. Replace all the occurrences of separator in the given string with some other separator.

c. Find the last word in the given string

→

HTML file

```
<html>
```

```
<form action="9.php" method="post">
```

```
<pre>
```

```
<h3>STRING OPERATIONS WITH SEPARATOR</h3>
```

Enter the string: <input type='text' name='input_string'>

Select the separator:

```
<select name="separator">
```

```
<option value="#">#</option>
```

```
<option value="|">|</option>
```

```
<option value="%">%</option>
```

```
<option value="@">@</option>
```

```
<option value="!">!</option>
```

```
<option value=",">,</option>
```

```
</select><br>
```

Enter new separator (for replacement): <input type='text'
name='new_separator'>


```
<h4>Select the operation:</h4>
```

```
1 <input type='radio' name='operation' value='1'> Split the string into words.<br>
```

```
2 <input type='radio' name='operation' value='2'> Replace separator with a new  
one.<br>
```

```
3 <input type='radio' name='operation' value='3'> Find the last word in the string.<br>
```

```
<input type='submit' value='Perform Operation'> <input type='reset'  
value='Cancel'><br>
```

```
</pre>
```

```
</form>
```

```
</html>
```

PHP file

```
<?php
```

```
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
```

```

$input_string = $_POST['input_string'];
$separator = $_POST['separator'];
$new_separator = $_POST['new_separator'];
$operation = $_POST['operation'];

switch ($operation) {
    case 1:
        echo "<h3>Splitting the string into words:</h3>";
        $words = explode($separator, $input_string);
        echo "Original String: $input_string <br>";
        echo "Words after splitting: ";
        print_r($words);
        break;
    case 2:
        $modified_string = str_replace($separator, $new_separator, $input_string);
        echo "Original String: $input_string <br>";
        echo "Modified String: $modified_string <br>";
        break;

    case 3:

        echo "<h3>Finding the last word in the string:</h3>";
        $words = explode($separator, $input_string);
        $last_word = end($words);
        echo "Original String: $input_string <br>";
        echo "Last Word: $last_word <br>";
        break;
}
}
?>

```



Q.10) Write a script to accept two integers(Use html form having 2 textboxes). Write a PHP script to,

- a. Find mod of the two numbers.**
- b. Find the power of the first number raised to the second.**

- c. Find the sum of first n numbers (considering first number as n)
d. Find the factorial of the second number. (Write a separate function for each of the above operations.)

→

Html file

```
<html>
<body>
<form method=get action=10.php>
<h3>Enter 1st number :
<input type=text name=num1><br>
Enter 2nd number :
<input type=text name=num2><br>
Enter what operations to be performed :<br>
<input type=radio name=radio value=1 checked>mod of 2 no<br>
<input type=radio name=radio value=2>power<br>
<input type=radio name=radio value=3>sum of n number<br>
<input type=radio name=radio value=4>factorial<br>
<input type=submit name=submit value=submit><br>
<input type=reset name=reset value=clear>
</form>
</body>
</html>
```

PHP program

```
<?php
include "10.html";
function operation($num1, $num2, $op)
{
    switch ($op) {
        case 1:
            printf("The mod of %d and %d is %d", $num1, $num2, ($num1 % $num2));
            break;

        case 2:
            printf("The power of %d and %d is %d", $num1, $num2, pow($num1, $num2));
            break;

        case 3: {
            $num = readline("Enter the n number: ");
            $n = $num;
            $sum = 0;
            while ($n >= 0) {
                $sum = $sum + $n;
                $n--;
            }
        }
```

```

        echo "Sum of $num number is: $sum";
    }

    break;

case 4: {
    $num = 4;
    $factorial = 1;
    for ($x = $num; $x >= 1; $x--) {
        $factorial = $factorial * $x;
    }
    echo "Factorial of $num is $factorial";
}
break;
}
}

$num1 = $_GET['num1'];
$num2 = $_GET['num2'];
$op = $_GET['radio'];
operation($num1, $num2, $op);
?>

```

Q11.) BOOTSTRAP PROGRAM



Q.12) Write a PHP script for the following: Design a form to accept two numbers from the user.

Give options to choose the arithmetic operation (use radio buttons).

Display the result on the next form. (Use the concept of function and default parameters. Use 'include' construct or require statement

→

Html file

```

<html>
<body>
<form method=get action=12.php>
<h3>Enter 1st number :
<input type=text name=num1><br>
Enter 2nd number :
<input type=text name=num2><br>
Enter what operations to be performed :<br>
<input type=radio name=radio value=1 checked>Addition<br>
<input type=radio name=radio value=2>Subtraction<br>
<input type=radio name=radio value=3>Multiplication<br>
<input type=radio name=radio value=4>Division<br>

```

```
<input type=submit name=submit value=submit><br>
</form>
</body>
</html>
```

PHP program

```
<?php
include "12.html";
function operation($num1, $num2, $op)
{
    switch ($op) {
        case 1:
            printf("The addition of %d and %d is %d", $num1, $num2, ($num1 + $num2));
            break;

        case 2:
            printf("The subtraction of %d and %d is %d", $num1, $num2, ($num1 - $num2));
            break;

        case 3:
            printf("The multiplication of %d and %d is %d", $num1, $num2, ($num1 * $num2));
            break;

        case 4:
            if ($num2 == 0) {
                echo "Divide error not possible";
            } else {
                printf("The division of %d and %d is %d", $num1, $num2, ($num1 / $num2));
            }
            break;
    }
}

$num1 = $_GET['num1'];
$num2 = $_GET['num2'];
$op = $_GET['radio'];
operation($num1, $num2, $op); ?>
```

Q13.)) Write a PHP script to create a chess board using CSS on table cells

→

```
<!DOCTYPE html>
<head>
    <title>Chess Board</title>
```

```

<style>
    table { border-collapse: collapse; }
    td { width: 30px; height: 30px; }
</style>
</head>
<body>
    <h3>Chess Board using Nested For Loop</h3>
    <table border="1">
        <?php
            for($row = 1; $row <= 8; $row++) {
                echo "<tr>"; // Start a new row
                for($col = 1; $col <= 8; $col++) {
                    $total = $row + $col; // Calculate total to determine color
                    if($total % 2 == 0) {
                        echo "<td style='background-color: #FFFFFF;'></td>"; // White cell
                    } else {
                        echo "<td style='background-color: #000000;'></td>"; // Black cell
                    }
                }
                echo "</tr>"; // End row
            }
        ?>
    </table>
</body>
</html>

```

Q14) Create a container add row inside it and add 3 columns inside row using Bootstrap.

```

→
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Bootstrap Container Example</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<body>

<div class="container">
    <div class="row">
        <div class="col">
            Column 1
        </div>
        <div class="col">
            Column 2

```

```

        </div>
        <div class="col">
            Column 3
        </div>
    </div>
</div>

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>

```



Q.15) Design a form to accept string from the user and perform the following operations

- a. To select first 5 words from the string**
- b. Convert the given string to lowercase and then to Title case.**
- c. Pad the given string with “*” from both sides.**
- d. Remove the leading whitespaces from the given string.**
- e. Find the reverse of given string**

→

Html file

```

<html>
<body>
<form method=get action=15.php>
<h3>Enter 1st string :
<input type=text name=s1><br>
Enter 2nd string :
<input type=text name=s2><br>
Enter what operations to be performed:::<br>
<input type=radio name=radio value=1 checked>to select first five words<br>
<input type=radio name=radio value=2>convert lowercase to uppercase<br>
<input type=radio name=radio value=3>Padding on both sides<br>
<input type=radio name=radio value=4>Remove whitespaces<br>
<input type=radio name=radio value=5>Reverse of the string<br>
<input type=submit name=submit value=submit><br>
<input type=reset name=reset value=clear>
</form>
</body>
</html>

```


PHP program

```
<?php
include "15.html";
function operation($s1, $s2, $op)
{
    switch ($op) {
        case 1:
            $statement = 'The slips given this year are very disappointing';
            echo implode(' ', array_slice(explode(' ', $statement), 0, 5)) . "\n";
            break;

        case 2:
            echo ucwords("hello world");
            break;

        case 3:
            $str = "Hello World";
            echo str_pad($str, 20, "*", STR_PAD_BOTH);
            break;

        case 4:
            $str = " Hello World! ";
            echo "With trim: " . trim($str);
            break;

        case 5:
            $str = "Hello World";
            $reversed_str = strrev($str);
            echo $reversed_str;
    }
}
$num1 = $_GET['s1'];
$num2 = $_GET['s2'];
$op = $_GET['radio'];
operation($s1, $s2, $op);
```



Q.16) Write a PHP script for the following: Design a form to accept the marks of 5 different subjects of a student, having serial number, subject name & marks out of 100.

**Display the result in the tabular format which will have total, percentage and grade.
Use only 3 text boxes.(Use array of form parameters)**

→

HTML file

```
<html>
<body>
<head><title>ACCEPT THE MARKS OF SUBJECT</title></head>
<form action="16.php" method="post">
Enter MARKS OF OS<input type="text" name="os" value=""><br>
Enter MARKS OF DS<input type="text" name="ds" value=""><br>
Enter MARKS OF WT<input type="text" name="wt" value=""><br>
Enter MARKS OF Java<input type="text" name="java" value=""><br>
Enter MARKS OF Cn<input type="text" name="cn" value=""><br>

<input type="submit" name="submit" value="submit">
</form>
</body>
</html>
```

PHP program

```
<?php
$operating = $_POST['os'];
$data_science = $_POST['ds'];
$web_tech = $_POST['wt'];
$java = $_POST['java'];
$computer = $_POST['cn'];

$total = $operating + $data_sceince + $web_tech + $java + $computer;
$per = $total / 5.0;
?>
```

```
<html>
<table border="2">
  <tr>
    <th colspan="2">MARKSHEET</th>
  </tr>
  <tr>
    <td colspan="2">OS
    <td><?php echo "$operating" ?></td>
  </tr>
  <tr>
    <td colspan="2">DS
    <td><?php echo "$data_science" ?></td>
  </tr>
  <tr>
    <td colspan="2">WT
```

```

        <td><?php echo "$web_tech" ?></td>
    </tr>
    <tr>
        <td colspan="2">Java
        <td><?php echo "$java" ?></td>
    </tr>
    <tr>
        <td colspan="2">CN
        <td><?php echo "$computer" ?></td>
    </tr>
    <tr>
        <td colspan="2">TOTAL
        <td><?php echo "$total" ?></td>
    </tr>
    <tr>
        <td colspan="2">PERCENTAGE
        <td><?php echo "$per" ?></td>
    </tr></table></html>

```



Q.17) Write a PHP script to sort the following associative array :
array("Sagar"=>"31","Vicky"=>"41","Leena"=>"39","Ramesh"=>"40") in

- a) ascending order sort by Value**
- b) ascending order sort by Key**
- c) descending order sorting by Value**
- d) descending order sorting by Key**

→

Html file

```

<!DOCTYPE html>
<html lang="en">
<head>
</head>
<form action="17.php" method="post"></form>
<body>

</body>
</html>

```

PHP file

```

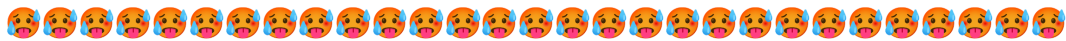
<?php
$page = array("sagarr" => 31, "vicky" => 41, "leena" => 39, "ramesh" => 40);
echo "Sort an associative array in ascending order by value";

```

```

asort($age);
Print_r($age);
echo " Sort an associative array in ascending order by key";
ksort($age);
Print_r($age);
echo "Sort an associative array in descending order by value";
arsort($age);
Print_r($age);
echo "Sort an associative array in descending order by key";
krsort($age);
Print_r($age);

```



Q.18) Write a menu driven program to perform the following operations on an associative array

- a. Reverse the order of each element's key-value pair.**
- b. Traverse the element in an array in random order.**
- c. Convert the array elements into individual variables.**
- d. Display the elements of an array along with key**

→

HTML file

```

<html>
<form action='18.php' method='post'>
<pre><h3>OPERATIONS</h3>

<input type='radio' name='a' value='1'>Reverse.<br>
<input type='radio' name='a' value='2'>Traverse.<br>
<input type='radio' name='a' value='3'>Convert.<br>
<input type='radio' name='a' value='4'>Display.<br>
<input type='submit' value='ok'>
<input type='reset' value='cancel'><br>
</pre>
</form>
</body>
</html>

```

PHP file

```
<?php
$array = array('zero' => 0, 'one' => 1, 'two' => 2, 'three' => 3, 'four' => 4, 'five' => 5);

$ch = $_POST['a'];

switch ($ch) {
    case 1:
        echo "Reverse the order of each element's key-value pair<br>";
        $reversedArray = array_flip($array);
        foreach ($reversedArray as $key => $value) {
            echo "Key: $key , Value: $value<br>";
        }
        break;
    case 2:
        echo "Elements in Random Order:<br>";
        $keys = array_keys($array); // Get the keys
        shuffle($keys);           // Shuffle the keys
        foreach ($keys as $key) {
            echo "Key: $key, Value: $array[$key]<br>";
        }
        break;
    case 3:
        echo "Individual Variables:<br>";
        extract($array);
        foreach ($array as $key => $value) {
            echo "$key: $$key<br>";
        }
        break;
    case 4:
        echo "display the key value :<br>";
        echo "Array Elements:<br>";
        print_r($array);
        break;
}
```



Q.19)Write a PHP script to accept 2 strings from the user, the first string should be a sentence and second can be a word.

a. Delete a small part from the first string after accepting position and number of characters to remove.

b. Insert the given small string in the given big string at specified position without removing any characters from the big string.

c. Replace some characters/ words from a given big string with the given small string at a specified position.

→

HTML file

```
<html>
<form action='19.php' method='post'>
  <pre>
    <h3>OPERATIONS</h3>

    Enter the first string (sentence): <input type='text' name='big_string'><br>
    Enter the second string (word): <input type='text' name='small_string'><br>

    1<input type='radio' name='operation' value='1'> Delete a small part of the
sentence.<br>
    2<input type='radio' name='operation' value='2'> Insert the word into the
sentence.<br>
    3<input type='radio' name='operation' value='3'> Replace part of the sentence with
the word.<br>

    <!-- Additional inputs for position and number of characters (for delete or replace) -->
    Enter position (starting index): <input type='number' name='position'><br>
    Enter the number of characters (for delete/replace): <input type='number'
name='num_chars'><br>
    19
    <!-- Buttons to submit or reset the form -->
    <input type='submit' value='ok'> <input type='reset' value='cancel'><br>
  </pre></form></html>
```

PHP file

```
<?php
if ($_SERVER['REQUEST_METHOD'] == 'POST') {

    $big_string = $_POST['big_string'];
    $small_string = $_POST['small_string'];
    $operation = $_POST['operation'];
    $position = $_POST['position'];
    $num_chars = $_POST['num_chars'];

    switch ($operation) {
        case 1:

            echo "<h3>Deleting a part of the sentence:</h3>";
            $modified_string = substr_replace($big_string, "", $position, $num_chars);
            echo "Original String: $big_string <br>";
            echo "Modified String: $modified_string <br>";
            break;

        case 2:

            echo "<h3>Inserting the word into the sentence:</h3>";
```

```

    $modified_string = substr_replace($big_string, $small_string, $position, 0); // 0
means no characters are removed
    echo "Original String: $big_string <br>";
    echo "Modified String: $modified_string <br>";
    break;

```

case 3:

```

    echo "<h3>Replacing part of the sentence with the word:</h3>";
    $modified_string = substr_replace($big_string, $small_string, $position,
$num_chars);
    echo "Original String: $big_string <br>";
    echo "Modified String: $modified_string <br>";
    break;
}
}
?>

```



Q.20) Write a menu driven program to perform the following operations on associative arrays:

- a) Split an array into chunks
- b) Sort the array by values without changing the keys.
- c) Filter the even elements from an array

→

Html file

```

<html>
<form action="20.php" method="post">
<h2>Enter choice :</h2>
<input type="radio" name="ch" value=1> Split an array into chunks <br>
<input type="radio" name="ch" value=2> Sort array by values without changing key values
<br>
<input type="radio" name="ch" value=3> Filter even elements from array <br>
<input type="submit" value="SUBMIT"> <input type="reset" value="CLEAR">
</body>
</html>

```

PHP file

```

<?php
function is_even($var)
{
    if ($var % 2 == 0)
        return $var;
}

```

```

function array_into_chunks($arr, $chunk_size)

```

```
{
    return array_chunk($arr, $chunk_size, true);
}
```

```
$choice = $_POST['ch'];
```

```
$arr = array('a' => 1, 'b' => 2, 'c' => 3, 'd' => 4, 'e' => 5, 'f' => 6, 'g' => 7, 'h' => 8);
```

```
switch ($choice) {
```

```
    case 1:
```

```
        $chunk_size = 3;
```

```
        $chunks = array_into_chunks($arr, $chunk_size);
```

```
        echo "Array split into chunks:<br>";
```

```
        print_r($chunks);
```

```
        break;
```

```
    case 2:
```

```
        asort($arr);
```

```
        echo "Array in ascending order:<br>";
```

```
        print_r($arr);
```

```
        arsort($arr);
```

```
        echo "<br>Array in descending order:<br>";
```

```
        print_r($arr);
```

```
        break;
```

```
    case 3:
```

```
        print_r(array_filter($arr, 'is_even'));
    }
```



Slip 21

Q.1) Create an array of 15 high temperatures, approximating the weather for a spring month, then find the average high temp, the five warmest high temps Display the result on the browser.

→

HTML file

```
<!DOCTYPE html>
```

```
<head>
```

```
    <title>Temperature Analysis</title>
```

```
</head>
```

```
<body>
```



```

<h1>Welcome to Temperature Analysis</h1>
<p>Click the button below to analyse high temperatures:</p>
<a href="1.php" >
    <button>Analyse Temperatures</button>
</a>
</body>
</html>

```

PHP program

```

<?php
// Create an array of 15 high temperatures for a spring month
$high_temperatures = [68, 72, 75, 78, 74, 69, 71, 76, 80, 82, 79, 73, 77, 81, 70];

// Calculate the average high temperature
$average_temp = array_sum($high_temperatures) / count($high_temperatures);

// Find the five warmest high temperatures
rsort($high_temperatures);
$five_warmest = array_slice($high_temperatures, 0, 5);

?>
<!DOCTYPE html>
<head>
    <title>High Temperatures Analysis</title>
</head>
<body>
    <p>Average High Temperature : <?php echo ($average_temp); ?>°F</p>
    <p>Five Warmest High Temperatures : <?php echo implode(" , ", $five_warmest);
?>°F</p>
</div>
</body>
</html>

```



Q.22) Write a menu driven program to perform the following queue related operations
a) Insert an element in queue b) Delete an element from queue c) Display the contents of queue

→

HTML file

```

<!DOCTYPE html>

<head>
    <title>Stack and Queue Operations</title>

```

```
</head>
```

```
<body>
```

```
  <h2>Select an Operation</h2>
```

```
  <form action="22.php" method="post">
```

```
    <label><input type="radio" value="shift" name="operation">Dequeue  
(Queue)</label><br>
```

```
    <label><input type="radio" value="unshift" name="operation">Enqueue  
(Queue)</label><br>
```

```
    <input type="submit" value="Perform Operation">
```

```
  </form>
```

PHP file

```
<?php
```

```
$a = array(1, 2, 3, 4, 5, 6, 7);
```

```
echo "<h3>Initial Array:</h3>";
```

```
print_r($a);
```

```
if ($_SERVER["REQUEST_METHOD"] == "POST") {  
    $operation = $_POST['operation'] ?? '';
```

```
    switch ($operation) {
```

```
        case 'shift':
```

```
            // Dequeue element from queue (start of array)
```

```
            array_shift($a);
```

```
            echo "<h3>After Dequeue (Queue):</h3>";
```

```
            break;
```

```
        case 'unshift':
```

```
            // Enqueue element to queue (start of array)
```

```
            array_unshift($a, 11);
```

```
            echo "<h3>After Enqueue (Queue):</h3>";
```

```
            break;
```

```
    }
```

```
    print_r($a);
```

```
  }
```

```
?>
```

```
</body>
```

```
</html>
```



**Q.23) Write a menu driven program to perform the following stack related operations:
a) Insert an element in stack b) Delete an element from stack c) Display the contents of stack**

→

HTML file

```
<!DOCTYPE html>

<head>
  <title>Stack and Queue Operations</title>
</head>

<body>
  <h2>Select an Operation</h2>
  <form action="23.php" method="post">
    <label><input type="radio" value="push" name="operation">Push (Stack)</label><br>
    <label><input type="radio" value="pop" name="operation">Pop (Stack)</label><br>
    <input type="submit" value="Perform Operation">
  </form></html>
```

PHP file

```
<?php
// Initial array (stack/queue)
$a = array(1, 2, 3, 4, 5, 6, 7);
echo "<h3>Initial Array:</h3>";
print_r($a);

if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $operation = $_POST['operation'] ?? "";

  switch ($operation) {
    case 'push':
      // Push element to stack (end of array)
      array_push($a, 11);
      echo "<h3>After Push (Stack):</h3>";
      break;

    case 'pop':
      // Pop element from stack (end of array)
      array_pop($a);
      echo "<h3>After Pop (Stack):</h3>";
      break;
  }
  print_r($a);
}
?>
```

</body>

</html>



Q.24) Write a PHP program to read two file names from the user and append content of the first file into the second file.

→

HTML file

```
<html>
<body>
<form action="24.php" method="POST">
Enter First File:<input type="text" name="first"><br><br>
Enter Second File:<input type="text" name="second"><br><br>
<input type="submit">
</form>
</body>
</html>
```

PHP file

```
<?php
$first = $_POST['first'];
$second = $_POST['second'];
if (!file_exists($first)) {
    die("<br>$first does not exist");
}
if (!file_exists($second)) {
    die("<br>$second does not exist");
}
$fp1 = fopen($first, 'r') or die("unable to open first file");
$fp2 = fopen($second, 'a') or die("unable to open second file");
$data = fread($fp1, filesize($first));
fwrite($fp2, $data);
fclose($fp1);
fclose($fp2);
echo "<h2>Contents of first file is appended to second file</h2>";
```



Slip 25

Q.1) Write a menu driven program to perform various file operations. Accept filename from user. [15] a) Display type of file. b) Display last modification time of file c) Display the size of file d) Delete the file

→

Slip 26

Q.1) Consider the following entities and their relationship.

Doctor (doc_no, dname, address ,city ,area)

Hospital (hosp_no, hname, hcity)

Doctor-Hospital relationship with many-one relationships.

Create a RDB in 3NF for above and solve the following.

Using the above database, write a script in PHP to print the Doctor visiting to the Hospital in tabular format. Accept Hospital name from user.

→

STEPS FOR MAKING DATABASE :

1. su postgres
2. createdb ty210
3. psql ty210

```
create table Doctor(doc_no int primary key,address varchar(20),city varchar(20),area
varchar(20));
CREATE TABLE
ty210=# create table Hospital(hosp_no int primary key,hname varchar(20),hcity
varchar(20));
CREATE TABLE
```

```
create table dh(doc_no int references Doctor,hosp_no int references Hospital,primary
key(doc_no,hosp_no));
CREATE TABLE
ty210=# insert into Doctor values(1,'Chakan','pune','urban');
```

```
ty210=# insert into Doctor values(2,'Pimpri','pune','urban');
```

```
ty210=# insert into Doctor values(3,'Bhosari','pune','urban');
ty210=# insert into Doctor values(4,'Saudagar','pune','urban');
```

```
ty210=# insert into Hospital values(1,'shree ganesh','khed');
```

```
ty210=# insert into Hospital values(2,'omkar hospital','khadki');
```

```
ty210=# insert into Hospital values(4,'pw hospital','moshi');
```

```
ty210=# insert into Hospital values(3,'apna hospital','chinchwad');
```

HTML file

```
<html>
<body>
<form action="26.php" method="get">
Enter the name of Hospital name : <input type="text"
name=hname><br>
<input type="submit" value="SUBMIT">
</form>
</body>
</html>
```

PHP file

```
<?php
$database="ty210"; //database name
$hname=$_GET['hname'];
$con=@mysql_connect("localhost","root","");//for
wamp 3rd field is blank
if(!$con)
{
die('Could not connect: ' . mysql_error());
}
mysql_select_db("$database",$con);
$result=mysql_query("select * from doctor,hospital,dh where
doctor.doc_no=dh.doc_no and hospital.hosp_no=dh.hos_no and
hosp_name='$hname'")or die(mysql_error());
echo"<table border='1'>";
echo"<tr><th>dno</th><th>name</th><th>address</th></tr>";
while($row=mysql_fetch_array($result))
{
echo"<tr><td>";
echo $row['doc_no'];
echo"</td><td>";
echo $row['doc_name'];
echo"</td><td>";
echo $row['address'];
echo"</td></tr>";
}
echo"</table>";
mysql_close($con);
?>
```

**Note: check the database elements names and the query return in the php program.
The namings should be matched properly.**



Q.27) Write a PHP program to read two file names from the user and copy the content of the first file into the second file.

→

See ans of 24

Q.28) Write a program to read a flat file “student.dat”, calculate the percentage and display the data from file in tabular format.(Student.dat file contains rollno, name, OS, WT, DS, Python, Java, CN)

Q.29) Consider the following entities and their relationships Event (eno , title , date) Committee (cno , name, head , from_time ,to_time , status) Event and Committee have many to many relationships. Write a php script to accept the title of the event and modify the status committee as working.

Q.30) Consider the following entities and their relationships [15] Student (Stud_id,name,class) Competition (c_no,c_name,type) Relationship between student and competition is many-many with attribute rank and year. Create a RDB in 3NF for the above and solve the following. Using the above database, write a script in PHP to accept a competition name from the user and display information of the student who has secured 1st rank in that competition.

