

PRACTICAL LIST BY AYUSH

1. Write a practical to show the use of following functions 1. Echo 2. var_dump 3. print_r 4. print 5. Include 6. require 7. settype 8. gettype 9. phpinfo.

```
<!doctype html>
```

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

```
<head>
```

```
<title>Contact Form 01</title>
```

```
<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
<link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700' rel='stylesheet' type='text/css'>
```

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="css/style.css">
```

```
</head>
```

```
<body>
```

```
<section class="ftco-section">
```

```
<div class="container">
```

```
<div class="row justify-content-center">
```

```
<div class="col-md-6 text-center mb-5">
```

```
<!-- <h2 class="heading-section">Contact Form #01</h2> --
```

```
>
```

```

        </div>

    </div>

    <div class="row justify-content-center">

        <div class="col-lg-10 col-md-12">

            <div class="wrapper">

                <div class="row no-gutters">

                    <div class="col-md-7 d-flex align-items-stretch">

                        <div class="contact-wrap w-100 p-md-5 p-4">

                            <h3 class="mb-4">calculator</h3>

                            <div id="form-message-warning" class="mb-4"></div>

                            <div id="form-message-success" class="mb-4">

                                Your message was sent, thank you!

                            </div>

```

```

<?php

// Echo function

    echo "Hello World!";

    echo "<br>";


// Var_dump function

    $myArray = array("apple", "banana", "orange");

    var_dump($myArray);

    echo "<br>";


// Print_r function

    $myArray = array("apple", "banana", "orange");

    print_r($myArray);

    echo "<br>";

```

```
// Print function
```

```
print "Hello World!";
```

```
echo "<br>";
```

```
// Settype function
```

```
$myVariable = "123";
```

```
settype($myVariable, "integer");
```

```
var_dump($myVariable);
```

```
echo "<br>";
```

```
// Gettype function
```

```
$myVariable = "123";
```

```
echo gettype($myVariable);
```

```
echo "<br>";
```

```
// Include function
```

```
include "myFile.php";
```

```
echo "<br>";
```

```
// Require function
```

```
require "myFile.php";
```

```
echo "<br>";
```


2. Write a PHP script to read a two value from a HTML text box and print multiplication, division, arithmetic and subtraction operations of it.

```
<!doctype html>

<html lang="en">

<head>

    <title>Contact Form 01</title>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">


    <link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700'
    rel='stylesheet' type='text/css'>


    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">


    <link rel="stylesheet" href="css/style.css">


</head>

<body>

<section class="ftco-section">

    <div class="container">

        <div class="row justify-content-center">

            <div class="col-md-6 text-center mb-5">

                <!-- <h2 class="heading-section">Contact Form #01</h2> -->

            </div>

        </div>

    </div>

    <div class="row justify-content-center">

        <div class="col-lg-10 col-md-12">
```

```

<div class="wrapper">
  <div class="row no-gutters">
    <div class="col-md-7 d-flex align-items-stretch">
      <div class="contact-wrap w-100 p-md-5 p-4">
        <h3 class="mb-4">calculator</h3>
        <div id="form-message-warning" class="mb-4"></div>
        <form method="POST" id="contactForm"
name="contactForm">
          <div class="row">
            <div class="col-md-6">
              <div class="form-group">
                <input type="text" class="form-control" name="num1"
id="num1" placeholder="Number 1">
              </div>
            </div>
            <div class="col-md-6">
              <div class="form-group">
                <input type="text" class="form-control" name="num2"
id="num2" placeholder="Number 1">
              </div>
            </div>
            <div class="col-md-12">
              <div class="form-group">
                <input type="submit" value="submit" class="btn btn-
primary">
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</form>

```

```
<?php
if (isset($_POST['num1']) && isset($_POST['num2'])) {
    $num1 = $_POST['num1'];
    $num2 = $_POST['num2'];

    $sum = $num1 + $num2;
    $sub = $num1 - $num2;
    $mull = $num1 * $num2;
    $divi = $num1 / $num2;

    echo "<h2>Calculation Results</h2>";
    echo "<p>Sum: $sum</p>";
    echo "<p>Subtraction: $sub</p>";
    echo "<p>Multiplication: $mull</p>";
    echo "<p>Division: $divi</p>";
}
?>

</div>
</div>
</div>
</div>
</div>
</div>
</div>

</div>

</section>

<script src="js/jquery.min.js"></script>
<script src="js/popper.js"></script>
<script src="js/bootstrap.min.js"></script>
```

```
<!-- <script src="js/jquery.validate.min.js"></script> -->
```

```
<script src="js/main.js"></script>
```

```
</body>
```

```
</html>
```

Output

calculator

Calculation Results

Sum: 100

Subtraction: 0

Multiplication: 2500

Division: 1

3. Write a PHP script to read a value from a HTML text box and check given no is negative, positive or zero.

```
<!doctype html>

<html lang="en">

<head>

    <title>Contact Form 01</title>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">


    <link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700'
    rel='stylesheet' type='text/css'>


    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">


    <link rel="stylesheet" href="css/style.css">


</head>

<body>

<section class="ftco-section">

    <div class="container">

        <div class="row justify-content-center">

            <div class="col-md-6 text-center mb-5">

                <!-- <h2 class="heading-section">Contact Form #01</h2> -->

            </div>

        </div>

    </div>

    <div class="row justify-content-center">

        <div class="col-lg-10 col-md-12">
```



```

        } elseif ($num > 0) {
            $result = "Positive";
        } else {
            $result = "Zero";
        }

        echo "<p>Number: $num</p>";
        echo "<p>Result: $result</p>";
    }
?>

</div>
</div>
</div>
</div>
</div>
</div>

</div>

</div>

</section>

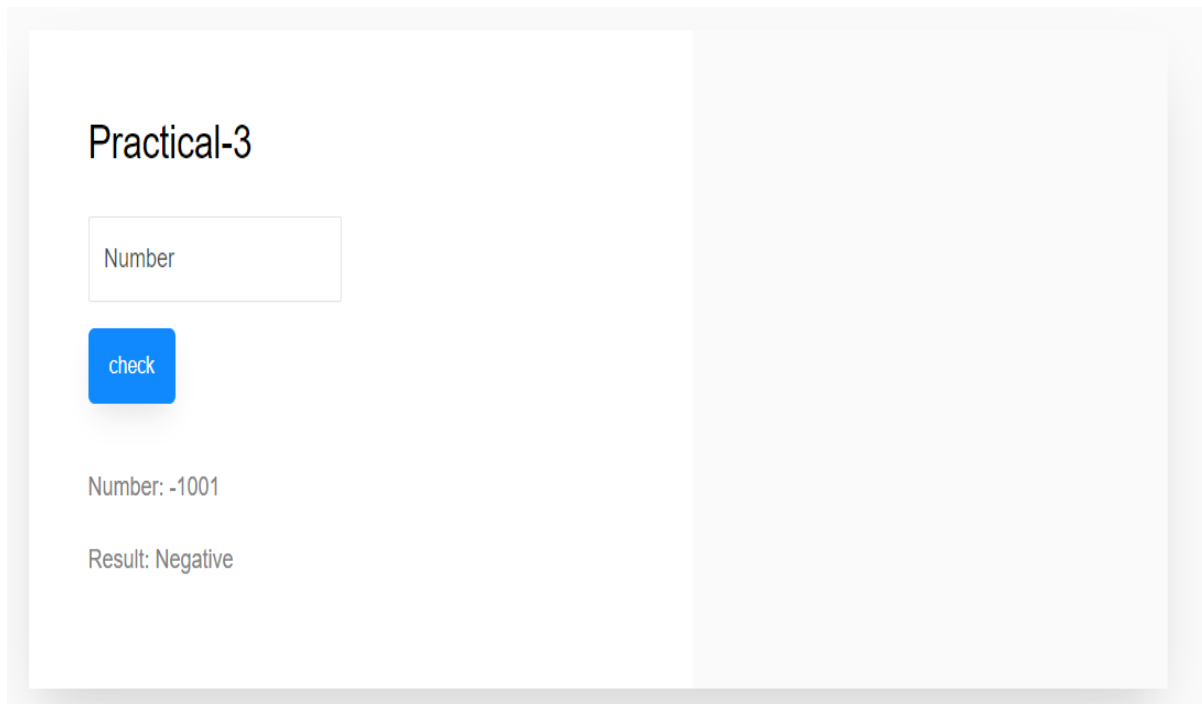
<script src="js/jquery.min.js"></script>
<script src="js/popper.js"></script>
<script src="js/bootstrap.min.js"></script>
<!-- <script src="js/jquery.validate.min.js"></script> -->
<script src="js/main.js"></script>

</body>

</html>

```

Output



Practical-3

Number

check

Number: -1001

Result: Negative

4.Create a form that asks a user total marks and display grade like first, second, pass, fail or distinction.

```
<!doctype html>
```

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

```
<head>
```

```
    <title>Contact Form 01</title>
```

```
    <meta charset="utf-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
    <link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700' rel='stylesheet' type='text/css'>
```

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="css/style.css">
```

```
</head>
```

```
<body>
```

```
<section class="ftco-section">
```

```
<div class="container">
```

```
<div class="row justify-content-center">
```

```
<div class="col-md-6 text-center mb-5">
```

```
<!-- <h2 class="heading-section">Contact Form
```

```
#01</h2> -->
```

```
</div>
```

```
</div>
```

```
<div class="row justify-content-center">
```

```
<div class="col-lg-10 col-md-12">
```

```
<div class="wrapper">
```

```
<div class="row no-gutters">
```

```
<div class="col-md-7 d-flex align-items-stretch">
```

```
<div class="contact-wrap w-100 p-md-5 p-4">
```

```
<div id="form-message-warning" class="mb-4"></div>
```

```
<form method="POST" id="contactForm" name="contactForm"
action="index.php">
```

```
<div class="row">
```

```
<div class="col-md-6">
```

```
<div class="form-group">
```

```
<input type="text" class="form-control" name="total_marks"
id="total_marks" placeholder="Total Marks">
```

```

        </div>
    </div>
    <div class="col-md-12">
        <div class="form-group">
            <input type="submit" value="calculate Grade" class="btn btn-
primary">
        <div class="submitting"></div>
    </div>
</div>
</div>
</div>
</form>

<?php
if (isset($_POST['total_marks'])) {
    $total_marks = $_POST['total_marks'];

    if ($total_marks >= 80) {
        $grade = "Distinction";
    } elseif ($total_marks >= 60) {
        $grade = "First Class";
    } elseif ($total_marks >= 50) {
        $grade = "Second Class";
    } elseif ($total_marks >= 40) {
        $grade = "Pass";
    } else {
        $grade = "Fail";
    }

    echo "<h2>Grade Calculator</h2>";
    echo "<p>Total Marks: $total_marks</p>";
}

```


Total Marks

calculate Grade

Grade Calculator

Total Marks: 90

Grade: Distinction

5. Write PHP script that perform the 10-math function.

```
<!doctype html>
```

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

```
<head>
```

```
    <title>Contact Form 01</title>
```

```
    <meta charset="utf-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
    <link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700'
rel='stylesheet' type='text/css'>
```

```
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css">
```

```
    <link rel="stylesheet" href="css/style.css">
```

```
<style>
```

```
    p{
```



```

border: 1px solid black;

box-shadow: 1px 1px 1px 1px grey;

border-radius: 10px;

padding-left: 10px;

}

</style>

</head>

<body>

    <section class="ftco-section">

        <div class="container">

            <div class="row justify-content-center">

                <div class="col-md-6 text-center mb-5">

                    <!-- <h2 class="heading-section">Contact Form

#01</h2> -->

                </div>

            </div>

            <div class="row justify-content-center">

                <div class="col-lg-10 col-md-12">

                    <div class="wrapper">

                        <div class="row no-gutters">

                            <div class="col-md-7 d-flex align-items-stretch">

                                <div class="contact-wrap w-100 p-md-5 p-4">

                                    <div id="form-message-warning" class="mb-4"></div>

                                <?php

                                    // Absolute value

                                    $num = -10;

                                    $abs = abs($num);

```

```
echo "<p>Absolute value of $num is $abs</p>";  
// echo "</br>";
```

```
// Ceiling  
$num = 3.14;  
$ceil = ceil($num);  
echo "<p>Ceiling of $num is $ceil</p>";  
// echo "</br>";
```

```
// Floor  
$num = 3.14;  
$floor = floor($num);  
echo "<p>Floor of $num is $floor</p>";  
// echo "</br>";
```

```
// Modulo  
$num1 = 10;  
$num2 = 3;  
$mod = fmod($num1, $num2);  
echo "<p>Modulo of $num1 and $num2 is $mod</p>";  
// echo "</br>";
```

```
// Maximum  
$arr = array(1, 2, 3, 4, 5);  
$max = max($arr);  
echo "<p>Maximum value in array is $max</p>";  
// echo "</br>";
```

```
// Minimum
$arr = array(1, 2, 3, 4, 5);
$min = min($arr);
echo "<p>Minimum value in array is $min</p>";
// echo "</br>";
```

```
// Power
$num1 = 2;
$num2 = 3;
$pow = pow($num1, $num2);
echo "<p>$num1 raised to the power of $num2 is
$pow</p>";

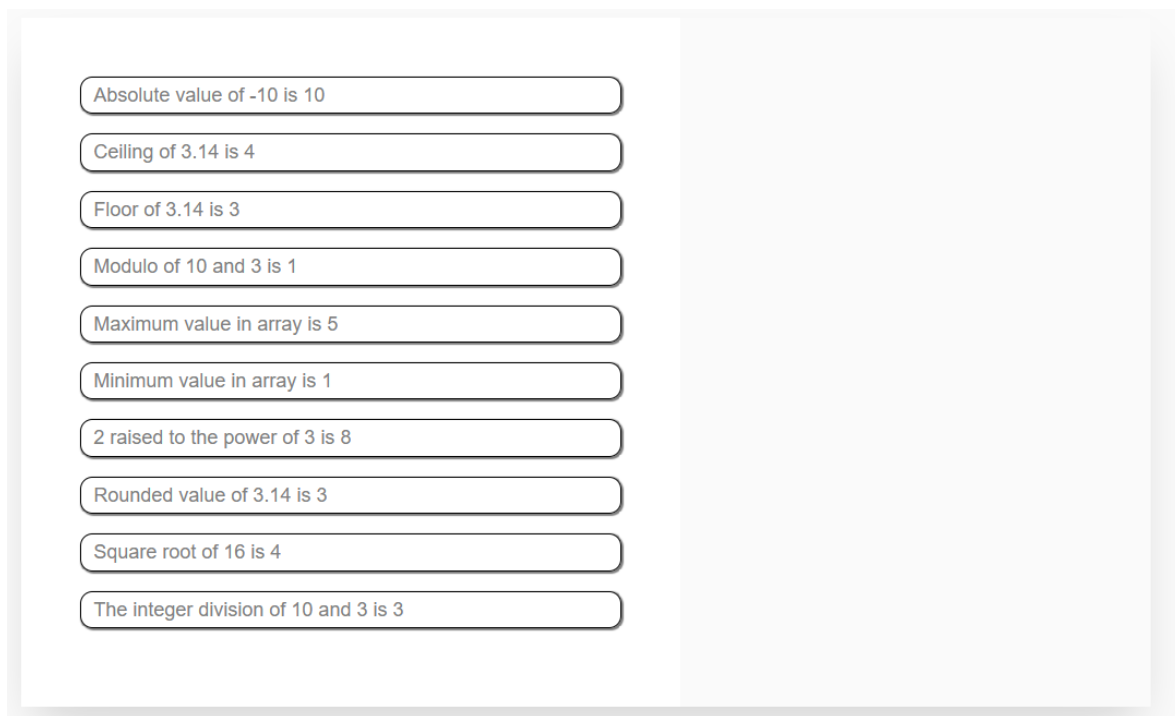
// echo "</br>";
```

```
// Round
$num = 3.14;
$round = round($num);
echo "<p>Rounded value of $num is $round</p>";
// echo "</br>";
```

```
// Square root
$num = 16;
$sqrt = sqrt($num);
echo "<p>Square root of $num is $sqrt</p>";
// echo "</br>";
```

```
//intdiv
$num1 = 10;
$num2 = 3;
$result = intdiv($num1, $num2);
```


Output



6. Write PHP program that perform the 10-string function.

```
<!doctype html>
```

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

```
<head>
```

```
<!-- <title>Contact Form 01</title> -->
```

```
<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
<link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700' rel='stylesheet' type='text/css'>
```

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
```

```

<link rel="stylesheet" href="css/style.css">

<style>

    p {

        border: 1px solid black;

        box-shadow: 1px 1px 1px 1px grey;

        border-radius: 10px;

        padding-left: 10px;

    }

</style>

</head>

<body>

    <section class="ftco-section">

        <div class="container">

            <div class="row justify-content-center">

                <div class="col-md-6 text-center mb-5">

                    <!-- <h2 class="heading-section">Contact Form

#01</h2> -->

                </div>

            </div>

            <div class="row justify-content-center">

                <div class="col-lg-10 col-md-12">

                    <div class="wrapper">

                        <div class="row no-gutters">

                            <div class="col-md-7 d-flex align-items-stretch">

                                <div class="contact-wrap w-100 p-md-5 p-4">

                                    <div id="form-message-warning" class="mb-4"></div>

```

```

<?php
// Define a string variable
$str = "Practical 6";

// 1. strlen() function - returns the length of the string
echo "<p>Length of the string: " . strlen($str) . "</p>";

// 2. strtoupper() function - converts the string to uppercase
echo "<p>Uppercase string: " . strtoupper($str) . "<br>";

// 3. strtolower() function - converts the string to lowercase
echo "<p>Lowercase string: " . strtolower($str) . "<br>";

// 4. str_replace() function - replaces a substring with another
echo "<p>Replaced string: " . str_replace("6", "PHP", $str) . "<br>";

// 5. substr() function - returns a part of the string
echo "<p>Substring: " . substr($str, 6) . "<br>";

// 6. strrev() function - reverses the string
echo "<p>Reversed string: " . strrev($str) . "<br>";

// 7. strpos() function - finds the position of a substring
echo "<p>Position of 'World': " . strpos($str, "6") . "<br>";

// 8. trim() function - removes whitespace from the beginning and

```

substring

end of the string

```

$str2 = " Hello World! ";
echo "<p>Trimmed string: " . trim($str2) . "<br>";

```

```
// 9. explode() function - splits the string into an array
```

```
$str3 = "apple,banana,orange";
```

```
$arr = explode(",", $str3);
```

```
echo "<p>Array: ";
```

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

```
echo "</p>";
```

```
// 10. implode() function - joins the elements of an array into a  
string
```

```
$str4 = implode(" ", $arr);
```

```
echo "<p>Joined string: " . $str4 . "</p>";
```

```
?>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
<script src="js/jquery.min.js"></script>
```

```
<script src="js/popper.js"></script>
```

```
<script src="js/bootstrap.min.js"></script>
```

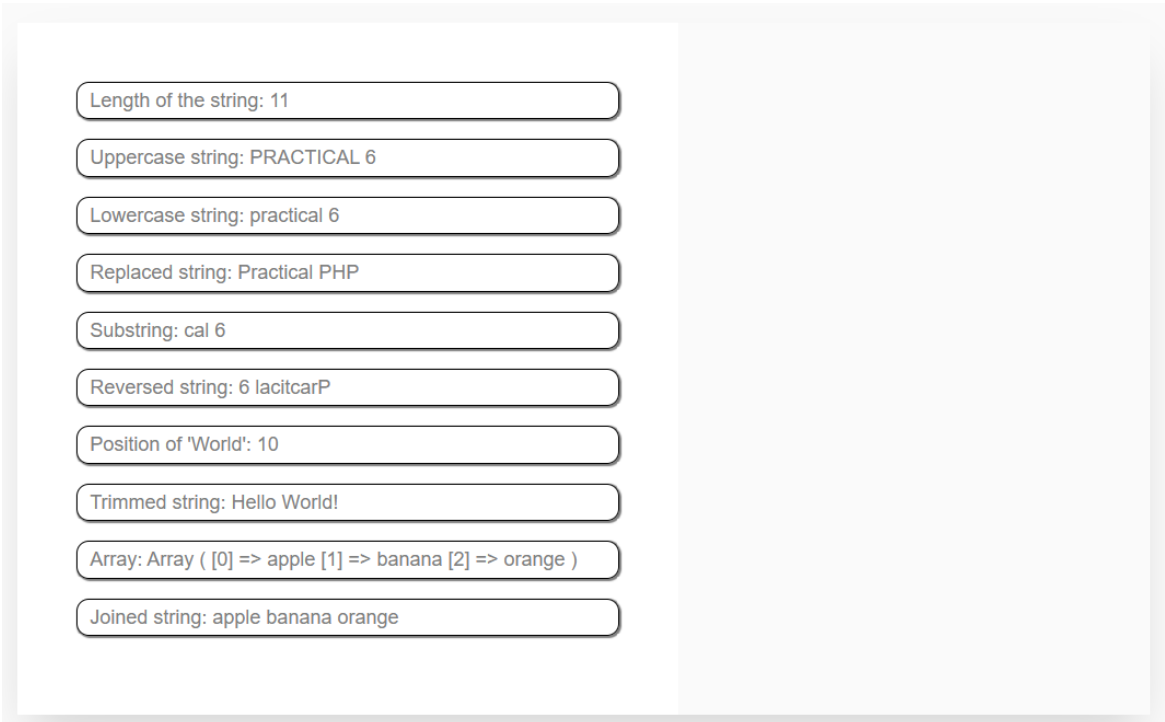
```
<!-- <script src="js/jquery.validate.min.js"></script> -->
```

```
<script src="js/main.js"></script>
```

```
</body>
```

```
</html>
```


Output



The screenshot displays a series of ten rounded rectangular boxes, each containing the result of a different PHP operation. The operations and their results are as follows:

- Length of the string: 11
- Uppercase string: PRACTICAL 6
- Lowercase string: practical 6
- Replaced string: Practical PHP
- Substring: cal 6
- Reversed string: 6 lacitcarP
- Position of 'World': 10
- Trimmed string: Hello World!
- Array: Array ([0] => apple [1] => banana [2] => orange)
- Joined string: apple banana orange

7. Write PHP program that perform the 10-array function.

```
<!doctype html>
```

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

```
<head>
```

```
    <title>Contact Form 01</title>
```

```
    <meta charset="utf-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
    <link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700' rel='stylesheet' type='text/css'>
```

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="css/style.css">
```

```
<style>
```

```
    p {  
        border: 1px solid black;  
        box-shadow: 1px 1px 1px 1px grey;  
        border-radius: 10px;  
        padding-left: 10px;  
    }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<section class="ftco-section">
```

```
<div class="container">
```

```
<div class="row justify-content-center">
```

```
<div class="col-md-6 text-center mb-5">
```

```
<!-- <h2 class="heading-section">Contact Form
```

```
#01</h2> -->
```

```
</div>
```

```
</div>
```

```
<div class="row justify-content-center">
```

```
<div class="col-lg-10 col-md-12">
```

```
<div class="wrapper">
```

```
<div class="row no-gutters">
```

```
<div class="col-md-7 d-flex align-items-stretch">
```

```
<div class="contact-wrap w-100 p-md-5 p-4">
```

```
<h3 class="mb-4">PHP Array Manipulation</h3>
```

```
<div id="form-message-warning" class="mb-4"></div>
```

```

<?php
// Create a sample array
$fruits = ["apple", "banana", "orange", "cherry",
"pineapple"];

echo "<br>";

// 1. `count`
$fruitCount = count($fruits);
echo "<p>There are $fruitCount fruits.\n";

// 2. `in_array`
$hasGrape = in_array("grape", $fruits);
echo "<p>Does the array contain 'grape'? " . ($hasGrape ?
"Yes" : "No") . "\n";

// 3. `array_push`
array_push($fruits, "mango");
echo "<p>Added mango. Fruits: " . implode(", ", $fruits) .
"\n";

// 4. `array_pop`
$lastFruit = array_pop($fruits);
echo "<p>Removed and returned: $lastFruit\n";

// 5. `array_slice`
$firstTwoFruits = array_slice($fruits, 0, 2);

```

```

"\\n";

echo "<p>First two fruits: " . implode(" ", $firstTwoFruits) .

"\\n";

// 6. `array_merge`
$mixedArray = [1, "two", null, true];
$mergedArray = array_merge($fruits, $mixedArray);
echo "<p>Merged array: " . implode(" ", $mergedArray) .

"\\n";

// 7. `array_unique`
$duplicateFruits = ["apple", "orange", "apple", "cherry"];
$uniqueFruits = array_unique($duplicateFruits);
echo "<p>Unique fruits: " . implode(" ", $uniqueFruits) .

"\\n";

// 8. `array_key_exists`
$hasIndexOne = array_key_exists(1, $fruits);
echo "<p>Does key 1 exist? " . ($hasIndexOne ? "Yes" : "No")

. "\\n";

// 9. `array_values`
$fruitValues = array_values($fruits);
echo "<p>Fruit values: " . implode(" ", $fruitValues) . "\\n";

// 10. `array_keys`
$fruitKeys = array_keys($fruits);

```

```
echo "Fruit keys: " . implode(" ", $fruitKeys) . "\n";
```

```
?>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
<script src="js/jquery.min.js"></script>
```

```
<script src="js/popper.js"></script>
```

```
<script src="js/bootstrap.min.js"></script>
```

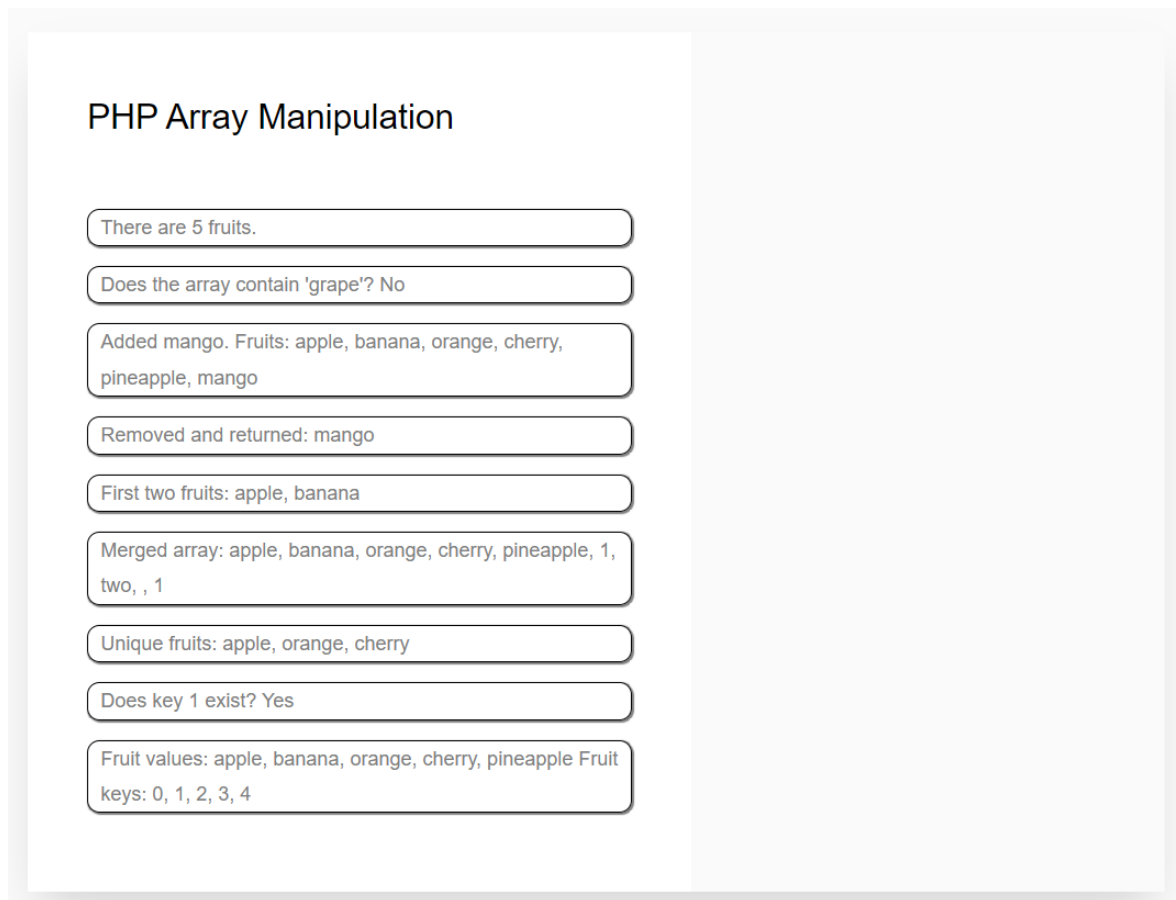
```
<!-- <script src="js/jquery.validate.min.js"></script> -->
```

```
<script src="js/main.js"></script>
```

```
</body>
```

```
</html>
```

Output



8. Write PHP script that create multidimensional, associative and index array and display output using foreach loop.

```
<!doctype html>
```

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

```
<head>
```

```
    <title>Contact Form 01</title>
```

```
    <meta charset="utf-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
<link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700'
rel='stylesheet' type='text/css'>
```

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="css/style.css">
```

```
<style>
```

```
    p {
        border: 1px solid black;
        box-shadow: 1px 1px 1px 1px grey;
        border-radius: 10px;
        padding-left: 10px;
    }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<section class="ftco-section">
```

```
<div class="container">
```

```
<div class="row justify-content-center">
```

```
<div class="col-md-6 text-center mb-5">
```

```
<!-- <h2 class="heading-section">Contact Form
```

```
#01</h2> -->
```

```
</div>
```

```
</div>
```

```
<div class="row justify-content-center">
```

```
<div class="col-lg-10 col-md-12">
```

```
<div class="wrapper">
```

```
<div class="row no-gutters">
<div class="col-md-7 d-flex align-items-stretch">
<div class="contact-wrap w-100 p-md-5 p-4">
<h3 class="mb-4">practical-8</h3>
<div id="form-message-warning" class="mb-4"></div>
```

```
<?php
//Indexed array:
$a = array(1, 2, 3, 4, 5);
foreach ($a as $value) {
    echo $value . "<br>";
}
```

```
//Associative array:
$b = array(
    "name" => "Ayush",
    "age" => 21,
    "city" => "varanasi"
);
foreach ($b as $key => $value) {
    echo $key . ":" . $value . "<br>";
}
```

```
//multidimensional array
$c = array(
    array("name" => "ayush", "age" => 21, "grade" => "A"),
    array("name" => "piyush", "age" => 19, "grade" => "B"),
    array("name" => "umesh", "age" => 22, "grade" => "C")
);
```



```
foreach ($c as $student) {  
    foreach ($student as $key => $value) {  
        echo $key . ":" . $value . "<br>";  
    }  
    echo "<br>";  
}  
?>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
<script src="js/jquery.min.js"></script>
```

```
<script src="js/popper.js"></script>
```

```
<script src="js/bootstrap.min.js"></script>
```

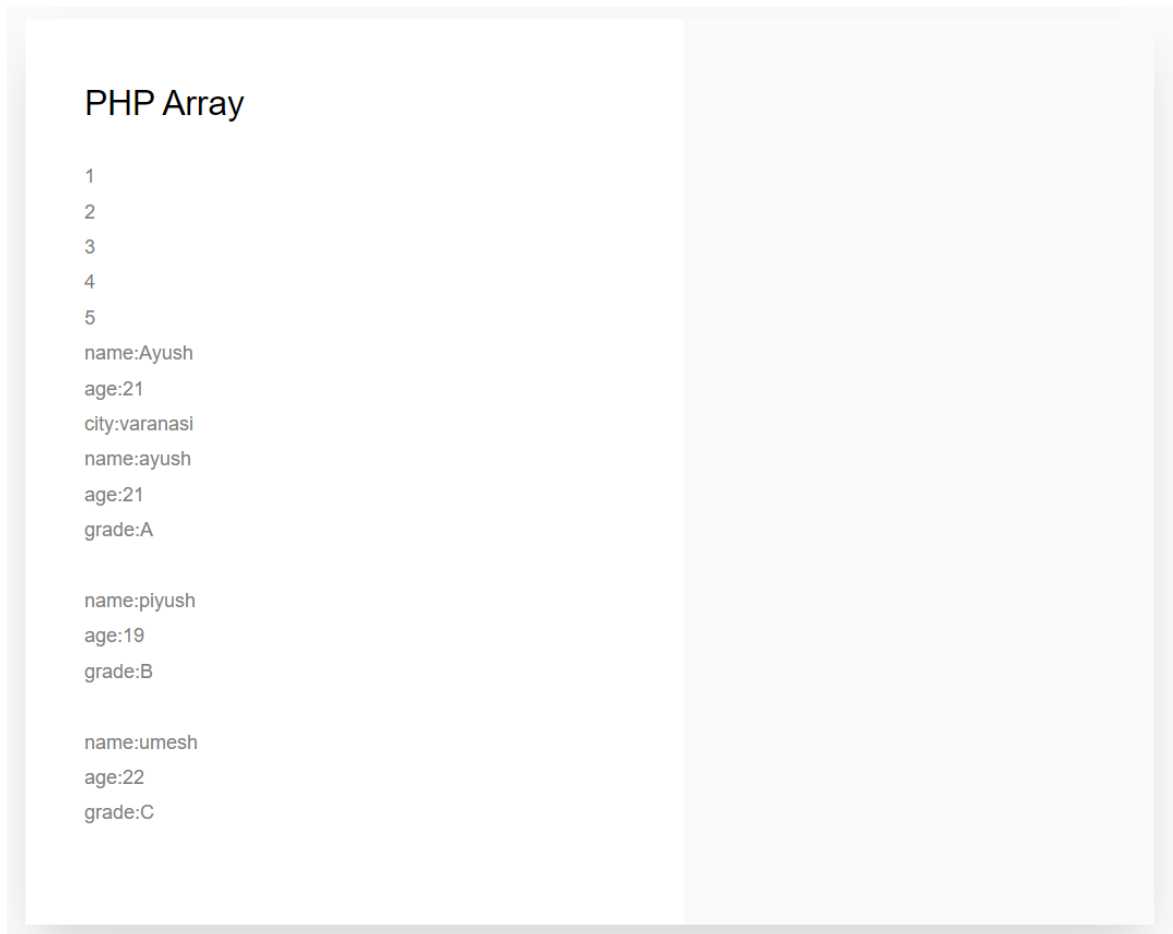
```
<!-- <script src="js/jquery.validate.min.js"></script> -->
```

```
<script src="js/main.js"></script>
```

```
</body>
```

```
</html>
```

Output



9. Write PHP scripts that show the use of try/catch block.

```
<!doctype html>
```

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

```
<head>
```

```
    <title>Contact Form 01</title>
```

```
    <meta charset="utf-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
<link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700'
rel='stylesheet' type='text/css'>
```

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="css/style.css">
```

```
<style>
```

```
    p {
        border: 1px solid black;
        box-shadow: 1px 1px 1px 1px grey;
        /* border-radius: 10px; */
        padding-left: 10px;
    }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<section class="ftco-section">
```

```
<div class="container">
```

```
<div class="row justify-content-center">
```

```
<div class="col-md-6 text-center mb-5">
```

```
<!-- <h2 class="heading-section">Contact Form #01</h2> -->
```

```
</div>
```

```
</div>
```

```
<div class="row justify-content-center">
```

```
<div class="col-lg-10 col-md-12">
```

```
<div class="wrapper">
```

```
<div class="row no-gutters">
```

```
<div class="col-md-7 d-flex align-items-stretch">
<div class="contact-wrap w-100 p-md-5 p-4">
<h3 class="mb-4">PHP Exception Handling.</h3>
<div id="form-message-warning" class="mb-4"></div>
```

```
<?php
try {
    // Code that may throw an exception

    $numerator = 100;

    $denominator = 0;

    if ($denominator === 0) {

        throw new Exception("<p>Division by zero is not
allowed.</p>");

    }

    $result = $numerator / $denominator;

    echo "Result: " . $result;

    } catch (Exception $e) {

        // Exception handling code

        echo "<p>An error occurred: </p>" . $e->getMessage();

    }

?>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
<script src="js/jquery.min.js"></script>
<script src="js/popper.js"></script>
<script src="js/bootstrap.min.js"></script>
<!-- <script src="js/jquery.validate.min.js"></script> -->
<script src="js/main.js"></script>
```

```
</body>
```

```
</html>
```

Output

PHP Exception Handling.

An error occurred:

Division by zero is not allowed.

10. Write PHP program for making student registration page and display entered information on next page using PHP super global variables namely \$_POST or \$_GET or \$_REQUEST. Use following fields: Stdno, Std, name, Mobile, Email, Birthdate, Address, Hobbies, Gender, Qualification, Username, password)

```
<!doctype html>
```

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

```
<head>
```

```
    <title>Contact Form 01</title>
```

```
    <meta charset="utf-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
    <link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700' rel='stylesheet' type='text/css'>
```

```
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
    <link rel="stylesheet" href="css/style.css">
```

```
</head>
```

```
<body>
```

```
    <section class="ftco-section">
```

```
        <div class="container">
```

```
            <div class="row justify-content-center">
```

```
                <div class="col-md-6 text-center mb-5">
```



```
        <div class="form-group">
            <input type="text" class="form-control" name="mobile"
id="mobile" placeholder="mobile">
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group">
            <input type="email" class="form-control" name="email" id="email"
placeholder="email">
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group">
            <input type="date" class="form-control" name="birthdate"
id="birthdate" placeholder="Birthdate">
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group">
            <textarea class="form-control" name="address" id="address"
placeholder="address"></textarea>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group">
            <input type="text" class="form-control" name="hobbies"
id="hobbies" placeholder="hobbies">
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group">
```



```
        <select id="qualification" name="qualification" class="form-
control">

            <option value="BCA">BCA</option>

            <option value="MCA">MCA</option>

            <option value="BCA+MCA">BCA+MCA</option>

        </select>
    </div>
</div>
<div class="col-md-6">
    <div class="form-group">
        <input type="text" class="form-control" name="username"
id="username" placeholder="username">
    </div>
</div>
<div class="col-md-6">
    <div class="form-group">
        <input type="password" class="form-control" name="password"
id="password" placeholder="password">
    </div>
</div>
<div class="col-md-12">
    <div class="form-group">
        <input type="submit" value="submit" class="btn btn-primary">
        <div class="submitting"></div>
    </div>
</div>
</div>
</form>
```

</div>

</div>

</div>

</div>

</div>

</div>

</div>

</section>

<script src="js/jquery.min.js"></script>

<script src="js/popper.js"></script>

<script src="js/bootstrap.min.js"></script>

<!-- <script src="js/jquery.validate.min.js"></script> -->




<script src="js/main.js"></script>

</body>

</html>

Output

Registration Form.

student Number	student Name
mobile	email
dd/mm/yyyy 	address 
hobbies	BCA 
username	password

submit

Registration Output

Student Number: 1009

Student Name: ayush

Mobile: +917376468331

Email: ay21112003@gmail.com

Birthdate: 2024-02-21

Address: Hari Om Nagar Colony Narayanpur,Dafi,Lanka.

Hobbies: coddling

Qualification: BCA

Username: tanu12149@gmail.com

Password: Ayush@12149

11. Build a product page with Read and write Buttons. Write button store a data in product.txt file and read button display data in HTML table format. [Product page fields: Product name, Stock and Description]

```
<!doctype html>

<html lang="en">

<head>

    <!-- <title>Contact Form 01</title> -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700'
rel='stylesheet' type='text/css'>

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css">

    <link rel="stylesheet" href="css/style.css">

</head>

<body>

    <section class="ftco-section">

        <div class="container">

            <div class="row justify-content-center">

                <div class="col-md-6 text-center mb-5">

                    <!-- <h2 class="heading-section">Contact Form #01</h2> -->

                </div>

            </div>

        </div>

    </section>

</body>

</html>
```

```

<div class="row justify-content-center">
  <div class="col-lg-10 col-md-12">
    <div class="wrapper">
      <div class="row no-gutters">
        <div class="col-md-7 d-flex align-items-stretch">
          <div class="contact-wrap w-100 p-md-5 p-4">
            <h3 class="mb-4">Practical 11.</h3>
            <div id="form-message-warning" class="mb-4"></div>
            <div id="form-message-success" class="mb-4">
              <!-- Your message was sent, thank you! -->
            </div>
            <form method="POST" id="contactForm" name="contactForm">
              <div class="row">
                <div class="col-md-6">
                  <div class="form-group">
                    <input type="text" class="form-control" name="product_name"
id="product_name" placeholder="product name">
                  </div>
                </div>
                <div class="col-md-6">
                  <div class="form-group">
                    <input type="number" class="form-control" name="stock" id="stock"
placeholder="stock">
                  </div>
                </div>
                <div class="col-md-6">
                  <div class="form-group">
                    <textarea class="form-control" name="description" id="description"
placeholder="description"></textarea>
                  </div>
                </div>
              </div>
            </form>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>

```

```

</div>
<div class="col-md-12">
<div class="form-group">
<input type="submit" name="write" value="write" class="btn btn-
primary">
<input type="submit" name="read" value="read" class="btn btn-primary">

</div>
</div>
</div>
</div>
</form>

```

```

<?php
if (isset($_POST['write'])) {
    $product_name = $_POST['product_name'];
    $stock = $_POST['stock'];
    $description = $_POST['description'];

    $file = fopen("product.txt", "a");
    fwrite($file, $product_name . " , " . $stock . " , " .
$description . "\n");

    fclose($file);

    echo "<p>Data written to file successfully!</p>";
}

if (isset($_POST['read'])) {
    echo "<table border='1'>
<tr>
<th>Product Name</th>
<th>Stock</th>

```

```
<th>Description</th>  
  
</tr>" ;  
$file = fopen("product.txt", "r");  
while (!feof($file)) {  
    $line = fgets($file);  
    $data = explode(",", $line);  
    if (count($data) >= 3) {  
        echo "<tr>  
            <td>". $data[0] . "</td>  
            <td>". $data[1] . "</td>  
            <td>". $data[2] . "</td>  
        </tr>" ;  
    }  
}  
fclose($file);  
echo "</table>" ;  
?  
</div>  
</div>  
</div>  
</div>  
</div>  
</div>  
  
</div>  
  
</div>  
  
</section>  
  
<script src="js/jquery.min.js"></script>  
<script src="js/popper.js"></script>
```

```
<script src="js/bootstrap.min.js"></script>
<!-- <script src="js/jquery.validate.min.js"></script> -->
<script src="js/main.js"></script>
```

```
</body>
```

```
</html>
```

Output

Practical 11.

Product Name	Stock	Description
Hello	world! This is a test.	
book	100	horror

13. Build a PHP script to show the use of php file/directory permissions.

```
<!doctype html>

<html lang="en">

<head>

    <!-- <title>Contact Form 01</title> -->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <link href='https://fonts.googleapis.com/css?family=Roboto:400,100,300,700'
    rel='stylesheet' type='text/css'>

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">

    <link rel="stylesheet" href="css/style.css">

</head>

<body>

    <section class="ftco-section">
        <div class="container">
            <div class="row justify-content-center">
                <div class="col-md-6 text-center mb-5">
                    <!-- <h2 class="heading-section">Contact Form
#01</h2> -->
                </div>
            </div>
        </div>
    </section>
```

```

<div class="row justify-content-center">
    <div class="col-lg-10 col-md-12">
        <div class="wrapper">
            <div class="row no-gutters">
                <div class="col-md-7 d-flex align-items-stretch">
                    <div class="contact-wrap w-100 p-md-5 p-4">
                        <h3 class="mb-4">Practical 13.</h3>
                        <div id="form-message-warning" class="mb-4"></div>
                        <div id="form-message-success" class="mb-4">
                            <!-- Your message was sent, thank you! -->
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```
<?php
```

```
$filename = "myfile.txt";
```

```
// Check read access
```

```
if (is_readable($filename)) {
```

```
    echo "The file '$filename' is readable.";
```

```
} else {
```

```
    echo "The file '$filename' is not readable.";
```

```
}
```

```
chmod($filename, 0600);
```

```
echo "\nNew permissions:" . fileperms($filename);
```

```
?>
```

```
        </div>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>

</section>

<script src="js/jquery.min.js"></script>
<script src="js/popper.js"></script>
<script src="js/bootstrap.min.js"></script>
<!-- <script src="js/jquery.validate.min.js"></script> -->
<script src="js/main.js"></script>

</body>

</html>
```

Output

Practical 13.

The file 'myfile.txt' is readable. New permissions:33206

14. Build a Login and Logout pages to show the use of session/cookies. Also generate a log file that contain login and logout time and username.

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width,
initial-scale=1, shrink-to-fit=no">

<meta name="description" content="Colorlib Templates">

<meta name="author" content="Colorlib">

<meta name="keywords" content="Colorlib Templates">

<title>session</title>

<link
href="vendor/mdi-font/css/material-design-iconic-font.min.css"
rel="stylesheet" media="all">

<link href="vendor/font-awesome-4.7/css/font-awesome.min.css"
rel="stylesheet" media="all">

<link
href="https://fonts.googleapis.com/css?family=Poppins:100,100i,200,2
00i,300,300i,400,400i,500,500i,600,600i,700,700i,800,800i,900,900i"
rel="stylesheet">

<link href="vendor/select2/select2.min.css" rel="stylesheet"
media="all">

<link href="vendor/datepicker/daterangepicker.css"
rel="stylesheet" media="all">

<link href="css/main.css" rel="stylesheet" media="all">

</head>

<body>
```

```
<?php
session_start();
$_SESSION = array();
if (ini_get("session.use_cookies")) {
$params = session_get_cookie_params();
setcookie(session_name(), "", time() - 42000,
$params["path"], $params["domain"],
$params["secure"], $params["httponly"]
);
}
session_destroy();
?>

<div class="page-wrapper bg-gra-02 p-t-130 p-b-100
font-poppins">

<div class="wrapper wrapper--w680">

<div class="card card-4">

<div class="card-body">

<h2 class="title">Registration Form</h2>

<form method="GET" action="home.php">

<div class="row row-space">

<div class="col-2">

<div class="input-group">

<label class="label">first
name</label>

<input class="input--style-4"
type="text" text="kishan" name="first_name" id="fname">

</div>

</div>

<div class="col-2">
```

```

<div class="input-group">
<label class="label">last
name</label>
<input class="input--style-4"
type="text" name="last_name" id="lname">
</div>
</div>
</div>
<div class="row row-space">
<div class="col-2">
<div class="input-group">
<label
class="label">Birthday</label>
<div class="input-group-icon">
<input class="input--style-4
js-datepicker" type="text" name="birthday" id="dob">
<i class="zmdi
zmdi-calendar-note input-icon js-btn-calendar"></i>
</div>
</div>
</div>
<div class="col-2">
<div class="input-group">
<label
class="label">Gender</label>
<div class="rs-select2
js-select-simple select--no-search">
<select name="gen"
id="Gender">

```

```
<option
disabled="disabled" selected="selected">Choose Gender</option>
<option>Male</option>
<option>Female</option>
</select>
<div
class="select-dropdown"></div>
</div>
</div>
</div>
</div>
<div class="row row-space">
<div class="col-2">
<div class="input-group">
<label
class="label">Email</label>
<input class="input--style-4"
type="email" name="email" id="mail">
</div>
</div>
<div class="col-2">
<div class="input-group">
<label class="label">Phone
Number</label>
<input class="input--style-4"
type="text" name="phone" id="phone">
</div>
</div>
</div>
```

```
<div class="input-group">
<label class="label">Subject</label>
<div class="rs-select2 js-select-simple
select--no-search">
<select name="subject" id="sub" >
<option disabled="disabled"
selected="selected">Choose option</option>
<option>DSA</option>
<option>ASP.NET</option>
<option>JAVA</option>
</select>
<div class="select-dropdown"></div>
</div>
</div>
<div class="p-t-15">
<a href="home.php"><button class="btn
btn--radius-2 btn--blue" type="submit"
value="submit">Submit</button></a>
<button class="btn btn--radius-2
btn--blue" type="reset" value="reset">Reset</button>
</div>
</form>
</div>
</div>
</div>
</div>
<script src="vendor/jquery/jquery.min.js"></script>
<script src="vendor/select2/select2.min.js"></script>
<script src="vendor/datepicker/moment.min.js"></script>
```



```
<script src="vendor/datepicker/daterangepicker.js"></script>
```

```
<script src="js/global.js"></script>
```

```
</body>
```

```
</html>
```

Output

OPEN

SOURCE

TECHNOLOGY

Name: Ayush Kumar.

SEM.: 6

Eno.: 21032211009

NO.	Title	Date of Start	Date of complication	Sign
12	Build a product page with Image field. Uploaded images will be stored at Upload folder and path stored in databases			
15	Write a PHP program that will use employee registration page and add data in student registration table. (Use MySQL Database). Apply JavaScript validation on registration page.			
16	Write a PHP program that will display employee registration data in table format from student registration table			
17	Write a PHP program that perform search, edit /Delete operations on Employee registration table for multiple records			

12. Build a product page with Image field. Uploaded images will be stored at Uploadfolder and path stored in databases.

- **Code :**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Product Page</title>
</head>
<body>
  <h2>Add Product</h2>
  <form method="POST" enctype="multipart/form-data" action="Practical 12-Image
upload.php">

    <label for="image">Upload Image:</label>
    <input type="file" id="image" name="image" required><br><br>

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

<?php

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "images";

// Create a connection
$conn = mysqli_connect( $servername, $username, $password, $dbname );

//Die if any error has occurred
if(!$conn)
{
    die("Connection was not succesful due to :". mysqli_connect_error());
}
else
{
    echo "Connection was succesful <br>";
}
```


Main Page Coding:

```
<html>
<head>
  <title>Registration Form</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>

  <form method="post" action="P15.php">
    <label>Name:</label>
    <input type="text" id="name" name="name" required>

    <label>Email:</label>
    <input type="email" id="email" name="email" required>

    <label>Mobile:</label>
    <input type="tel" id="mobile" name="mobile" required>

    <label>Address:</label>
    <input type="text" id="address" name="address" required>

    <label>City:</label>
    <select id="city" name="city" required>
      <option value="" disabled selected>Select a City</option>
      <option value="Mehsana">Mehsana</option>
      <option value="Ahmedabad">Ahmedabad</option>
      <option value="Gandhinagar">Gandhinagar</option>
    </select>

    <label>Birthdate:</label>
    <input type="date" id="bdate" name="bdate" required>

    <label>Hobbies:</label>
    <input type="text" id="hobbies" name="hobbies" required>

    <label>Education:</label>
    <select id="education" name="education" required>
      <option value="" disabled selected>Select Education Level</option>
      <option value="SSC">SSC</option>
      <option value="HSC">HSC</option>
      <option value="Under-Graduate">Under-Graduate</option>
      <option value="Graduate">Graduate</option>
    </select>
```

```
<label>Gender:</label>
<select id="gender" name="gender" required>
<option value="" disabled selected>Select Gender</option>
<option value="male">Male</option>
<option value="female">Female</option>
<option value="other">Other</option>
</select>

<input type="submit" value="Submit">
<input type="reset" value="Reset">
</form>

</body>
</html>
```

2nd Page Coding :

```
<?php

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

$name = $_POST['name'];
$email = $_POST['email'];
$mobile = $_POST['mobile'];
$address = $_POST['address'];
$city = $_POST['city'];
$bdate = $_POST['bdate'];
$hobbies = $_POST['hobbies'];
$education = $_POST['education'];
$gender = $_POST['gender'];

    // Connecting to the database

    $servername = "localhost";
    $username = "root";
    $pass = "";
    $database = "details";

    // Create a connection
    $conn = mysqli_connect( $servername, $username, $pass, $database );
```

```

//Die if any error has occurred
if(!$conn)
{ die("Connection was not succesful due to :". mysqli_connect_error());
}

else
{ echo "Connection was succesful <br>";
  $sql = "INSERT INTO `stud` (`name`,
    `email`, `mobile`, `address`, `city`,
    `bdate`, `hobbies`,
    `education`, `gender`) VALUES ('$name',
    '$email', '$mobile', '$address', '$city', '$bdate', '$hobbies', '$education', '$gender')";
    $result = mysqli_query($conn, $sql);

    if($result)
    { echo "Data entered succesfully <br><br><br><br>";
      }
    }
}

?>

```

Output :

The screenshot displays a web browser window with the address bar showing 'localhost:3000/registration%20form.html'. The page contains a registration form with the following fields and values:

- Name: Nayak Umesh
- Email: upnayak2512@gmail.com
- Mobile: 9999999999
- Address: Shalja Greens, Mehsana
- City: Mehsana (selected from a dropdown)
- Birthdate: 25-12-2004 (selected from a date picker)
- Hobbies: Swimming, Horse-Riding, Rifle-Shooting
- Education: Under-Graduate (selected from a dropdown)
- Gender: Male (selected from a dropdown)

At the bottom of the form, there are two buttons: 'Submit' (green) and 'Reset' (red). The Windows taskbar at the bottom shows the time as 12:07 AM on 12-02-2024.

2nd Page Output :


```

        h><th>Email</th><th>Depart
        ment</th></tr>"; //
Removed Position column while($row =
    $result->fetch_assoc()) { echo "<tr>"; echo
    "<td>" . $row["id"] . "</td>"; echo "<td>" .
    $row["name"] . "</td>"; echo "<td>" .
    $row["email"] . "</td>"; echo "<td>" .
    $row["department"] . "</td>"; echo "</tr>";
    }
    echo "</table>";
} else { echo "0
    results";
}

$conn->close();
?>

```

Output :

ID	Name	Email	Department
1	John Doe	john@example.com	Engineering
2	Jane Smith	jane@example.com	Marketing
3	Mike Johnson	mike@example.com	Finance
4	Emily Davis	emily@example.com	Human Resources
5	Chris Brown	chris@example.com	Sales
6	Sarah Wilson	sarah@example.com	Customer Service
7	David Lee	david@example.com	Operations
8	Emma Taylor	emma@example.com	Research and Development
9	Michael Clark	michael@example.com	Accounting
10	Amanda Anderson	amanda@example.com	Administration

17. Write a PHP program that perform search,edit /delete operations on Employee registration table for multiple records.

- **Code :**

```

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

```

```

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Mysqli</title>
</head>
<body>
  <h2>Enter Details</h2>
  <form action="P17.php" method="POST">

    <label for="name">Emp Name:</label>
    <input type="text" id="name" name="name"><br><br>

    <label for="number">Emp email:</label>
    <input type="text" id="number" name="number" required><br><br>

    <input type="submit" value="Submit">
  </form>
</body>
</html>
<?php

if ($_SERVER['REQUEST_METHOD'] == 'POST')
{
  $name = $_POST['name'];
  $number = $_POST['number'];

  // Connecting to the database

  $servername = "localhost";
  $username = "root";
  $pass = "";
  $database = "details";

  // Create a connection
  $conn = mysqli_connect( $servername, $username, $pass, $database );

  //Die if any error has occurred
  if (!$conn)
  {
    die("Connection was not succesful due to :". mysqli_connect_error());
  }

  else
  {
    echo "Connection was succesful <br>";
  }
}

```

```

$sql = "INSERT INTO `emp` (`name`, `email`) VALUES ('$name', '$number')";
$sql = "UPDATE emp SET `name` = '$name' WHERE `email` = '$number'";
$sql = "delete from emp where email='$number'";
$result = mysqli_query($conn, $sql);
$result = mysqli_query($conn, $sql);

if($result)
{
    echo "Data entered succesfully <br><br><br><br>";
    $sql1 = "SELECT * FROM `emp` ";
    $result1 = mysqli_query($conn, $sql1);
    while($row=mysqli_fetch_assoc($result1))
    {
        echo " <table border='1'> <tr> <td>{$row['id']}</td>
                <td>{$row['name']}</td>
                <td>{$row['email']}</td></tr></table>";
    }
}
else
{
    echo "Data not entered" . mysqli_error( $conn ) ;
}
}

echo "<p><em>Made by Umesh</em></p>";
?>

```

Output :



Enter Details

Emp Name:

Emp email:

Connection was succesful

Data entered succesfully

63	Nayak Umesh	umesh@gmu.ac.in
----	-------------	-----------------