

30.

- a. Write a PHP Program to demonstrate the variable function: `gettype()` and `settype()`
- b. Write a PHP Program to demonstrate the variable uncton: `isset()`
- c. Write a PHP Program to demonstrate the variable uncton: `unset()`

```
<?php
echo "<br>";
echo "gettype function"."<br>";
$a = 3;
echo gettype($a) . "<br>";
$b = 3.2;
echo gettype($b) . "<br>";
$c = "Hello";
echo gettype($c) . "<br>";
$d = array();
echo gettype($d) . "<br>";
$e = array("red", "green", "blue");
echo gettype($e) . "<br>";

echo "<br>";
echo "settype function"."<br>";
$p = "32"; // string
settype($p, "integer"); // $a is now integer
echo gettype($p) . "<br>";
$q = 32; // integer
settype($q, "string"); // $b is now string
echo gettype($q) . "<br>";
$r = true; // boolean
settype($r, "integer"); // $c is now integer (1)
echo gettype($r) . "<br>";

echo "<br>";
echo "isset function"."<br>";
$t = 0;
// True because $a is set
if (isset($t)) {
    echo "Variable 'a' is set.<br>";
}

echo "<br>";
echo "unset function"."<br>";

$temp = "Hello world!";
echo "The value of variable 'a' before unset: " . $temp . "<br>";
unset($a);
echo "The value of variable 'a' after unset: " . $temp;
?>
```

31. Write a PHP program to input previous reading and present reading and prepare an electricity bill using the following conditions .

```
<?php
// Check if the form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Get the consumer name, consumer number, previous reading, and present reading from the
    form
    $consumerName = $_POST["consumerName"];
    $consumerNumber = $_POST["consumerNumber"];
    $prevReading = $_POST["prevReading"];
    $presentReading = $_POST["presentReading"];

    // Calculate the units consumed
    $unitsConsumed = $presentReading - $prevReading;

    // Calculate the electricity bill based on the tariff
    $rate = 0;
    if ($unitsConsumed < 100) {
        $rate = 3;
    } elseif ($unitsConsumed >= 100 && $unitsConsumed <= 200) {
        $rate = 4;
    } elseif ($unitsConsumed > 200 && $unitsConsumed <= 300) {
        $rate = 5;
    } elseif ($unitsConsumed > 300) {
        $rate = 6;
    }

    $billAmount = $unitsConsumed * $rate;
}
?>

<!DOCTYPE html>
<html>
<head>
    <title>Electricity Bill Calculator</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f1f1f1;
            margin: 0;
            padding: 20px;
        }

        h2 {
            text-align: center;
        }

        form {
```

```

        max-width: 400px;
        margin: 0 auto;
        background-color: #fff;
        padding: 20px;
        border-radius: 5px;
    }

    label {
        display: block;
        margin-bottom: 10px;
        font-weight: bold;
    }

    input[type="text"],
    input[type="number"] {
        width: 100%;
        padding: 8px;
        border: 1px solid #ccc;
        border-radius: 4px;
    }

    input[type="submit"] {
        background-color: #4CAF50;
        color: #fff;
        border: none;
        padding: 10px 20px;
        border-radius: 4px;
        cursor: pointer;
    }

    .result {
        margin-top: 20px;
        background-color: #fff;
        padding: 20px;
        border-radius: 5px;
    }
</style>
</head>
<body>
    <h2>Electricity Bill Calculator</h2>
    <form method="POST" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>">
        <label for="consumerName">Consumer Name:</label>
        <input type="text" name="consumerName" required>

        <label for="consumerNumber">Consumer Number:</label>
        <input type="text" name="consumerNumber" required>

        <label for="prevReading">Previous Reading:</label>

```

```
<input type="number" name="prevReading" required>

<label for="presentReading">Present Reading:</label>
<input type="number" name="presentReading" required>

<input type="submit" value="Calculate Bill">
</form>

<?php if ($_SERVER["REQUEST_METHOD"] == "POST") : ?>
  <div class="result">
    <h3>Electricity Bill Details</h3>
    <p><strong>Consumer Name:</strong> <?php echo $consumerName; ?></p>
    <p><strong>Consumer Number:</strong> <?php echo $consumerNumber; ?></p>
    <p><strong>Previous Reading:</strong> <?php echo $prevReading; ?></p>
    <p><strong>Present Reading:</strong> <?php echo $presentReading; ?></p>
    <p><strong>Units Consumed:</strong> <?php echo $unitsConsumed; ?></p>
    <p><strong>Rate:</strong> Rs. <?php echo $rate; ?>/Unit</p>
    <p><strong>Bill Amount:</strong> Rs. <?php echo $billAmount; ?></p>
  </div>
<?php endif; ?>
</body>
</html>
```

32. Session Handling Using PHP

Session:

1st file

```
<?php
session_start();

$_SESSION["favcolor"] = "red" ;

echo "session variable is set" ;

?>
```

2nd file

```
<?php
session_start();

//print_r($_SESSION); // gives an associative array

?>

<!DOCTYPE html>
<html lang="en">
<body>
    <?php
        //echo "session is start". $_SESSION["favcolor"];
        // donot show error if we check using if condition.
        if(isset($_SESSION["favcolor"])){
            echo "favourite color:". $_SESSION['favcolor'];
        }
    ?> </body></html>
```

3rd file

```
<?php
session_start();

//delete all the session variables
session_unset();

// destroy the session
session_destroy();

echo "Session is Destroy";

?>
```

cookies

```
<?php
$cookie_name = "user" ;
$cookie_value = "sam";
setcookie($cookie_name , $cookie_value , time()+(86400*30) , "/");
?>

<!DOCTYPE html>
<html>
<body>
    <?php
    if(!isset($_COOKIE[$cookie_name])){
        echo $cookie_name." is not set";  }
    else{
        echo $_COOKIE[$cookie_name]." is set";  }
    ?>
</body></html>
```

2nd file

```
<?php
echo $_COOKIE["user"]."is set";

// deletig the cookie
setcookie("user","",time()-(86400*30) , "/");
?>
```

33. File Uploading Using PHP (To Understand File Uploading in PHP)

```
<!DOCTYPE html>
<html>
<head>
  <style>
    .container{
      border: 2px solid black;
      border-radius: 10px;
      width: 25%;
      display: flex;
      justify-content: center;
      align-items:center;
      margin: 325px 500px;
      padding: 5px;
    }
    #btn{
      background: blue;
      border: 2px solid black;
      border-radius: 5px ;
      padding: 5px;
      color: white;
    }

  </style>
</head>
<body>
<div class="container">
<form action="lab2_fileupload.php" method="post" enctype="multipart/form-data">
  Select image to upload:
  <hr> <br>
  <input type="file" name="fileToUpload" id="fileToUpload">
  <br> <br>
  <button id="btn" type="submit" name = "submit">Upload</button>
```

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

Php file:

```
<?php
$target_dir = "lab2_fileupload/";
$target_file = $target_dir . basename($_FILES["fileToUpload"]["name"]);
$uploadOk = 1;
$imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));

if(isset($_POST["submit"])) {
    $check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);
    if($check !== false) {
        echo "File is an image - " . $check["mime"] . ".";
        $uploadOk = 1;
    } else {
        echo "Invalid Extension.";
        $uploadOk = 0;
    }
}

// Check file size
if ($_FILES["fileToUpload"]["size"] > 500000) {
    echo "Sorry, your file is too large.";
    $uploadOk = 0;
}

// Allow certain file formats
if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType != "jpeg"
&& $imageFileType != "gif" ) {
    echo "Sorry, only JPG, JPEG, PNG & GIF files are allowed.";
    $uploadOk = 0;
}
?>
```


34. PHP with MySQL Develop a simple application to -

- a. Enter data into database
- b. Retrieve and present data from database
- c. Develop a simple application to Update, Delete table data from database.

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

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
  <title>Contact me form</title>
  <style>
    #new{
      color: #9925be;
      font-weight: bold;
      font-size: 40px;
    }
  </style>
</head>
<body style = " background-color : #ffff99 ; color: #9925be;">
  <div id="container">
    <center id = "new" >Sign Up</center>
    <form name="myform" action = "lab_file_submit.php" onsubmit="return validateForm()"
method="post">
      <div>
        <label for="fname">First Name:</label>
        <input type="text" name="fname" id="fname" placeholder="Enter your Name">
      </div>
      <br>
      <div>
        <label for="mname">Middle Name:</label>
        <input type="text" name="mname" id="mname" placeholder="Enter your Name">
      </div>
    </form>
  </div>
</body>
</html>
```

```
</div>
<br>
<div>
  <label for="lname">Last Name:</label>
  <input type="text" name="lname" id="lname" placeholder="Enter your Name">
</div>
<br>
<div>
  <label for="pass">Password:</label>
  <input type="password" name="pass" id="pass" placeholder="Enter your Password">
</div>
<br>
<div>
  <label for="cpass">Confirm Password:</label>
  <input type="password" name="cpass" id="cpass" placeholder="ReEnter your Password">
</div>
<br>
<div>
  <label for="email">Email:</label>
  <input type="email" name="email" id="email" placeholder="Enter your Email">
</div>
<br>
<div>
  <label for="gender">Gender:</label>
  Male<input type="radio" name="gender" id="gender" value = "male">
  FeMale<input type="radio" name="gender" id="gender" value = "female">
</div>
<br>
<div>
  <label for="num">Contact-NO:</label>
  <input type="tel" name="num" id="num" placeholder="Enter your Number">
</div>
<br>
<div>
  <label for="addr">Address:</label>
  <textarea type="text" name="addr" id="addr" rows = "4" cols = "20"></textarea>
</div>
```

```
<br>
<div>
  <label for="pin">Pin-Code:</label>
  <input type="text" name="pin" id="pin">
</div>
<br>
<div>
  <label for="city">City:</label>
  <input type="text" name="city" id="city">
</div>
<br>
<div>
  <label for="con">Country:</label>
  <input type="text" name="con" id="con">
</div>
<br>
<div>
  <label for="skill">skills:</label>
  PHP<input type="radio" name="skill" id="skill" value = "php">
  JAVA<input type="radio" name="skill" id="skill" value ="java">
  AJAX<input type="radio" name="skill" id="skill" value = "ajax">
  JQUERY<input type="radio" name="skill" id="skill" value = "jquery">
  .NET<input type="radio" name="skill" id="skill" value = ".net">
</div>
<br>
<div>
  <input type="radio" name="term" id="term">I have read terms and conditions.
</div>
<br>
<div>
  <button id="btn" type="submit">Submit</button>
  <button id="btn" type="reset">reset</button>
</div>
</form>
</div>

<script>
```

```

function validateForm() {
    let x = document.forms["myform"]["name"].value;
    let password = document.forms["myform"]["pass"].value;
    let email = document.forms["myform"]["email"].value;
    var atposition = email.indexOf("@");
    var dotposition = email.lastIndexOf(".");

    //name or text validation
    if (x.match(/[0-9]/)) {
        // notify the user about their mistake
        alert("Avoid numbers in the first name field, please.");
        // focus the field to make it easy to correct
        name.focus();
        // prevent the form from submitting
        return false;
    }

    if (x == "" || x == null) {
        alert("Name must be filled out");
        return false;
    }

    //email validation
    else if (atposition < 1 || dotposition < atposition + 2 || dotposition + 2 >= email.length) {
        alert("Please enter a valid e-mail address \n atpostion:" + atposition + "\n dotposition:" +
dotposition);
        return false;
    }

    // password length validation
    else if (password.length < 6) {
        alert("Password must be at least 6 characters long.");
        return false;
    }
}

</script>

</body>
</html>

```

Php file:

```
<!DOCTYPE html>

<html>

<head>
    <title>Insert Page</title>
</head>

<body>
    <center>
        <?php
            $username="root";
            $servername="localhost";
            $password="";
            $database = "myFile";
            $conn = mysqli_connect($servername,$username,$password,$database);
            if($conn === false){
                die("ERROR: Could not connect. ". mysqli_connect_error());
            }

            $first_name = $_REQUEST['fname'];
            $middle_name = $_REQUEST['mname'];
            $last_name = $_REQUEST['lname'];
            $password = $_REQUEST['pass'];
            $email = $_REQUEST['email'];
            $gender = $_REQUEST['gender'];
            $phone = $_REQUEST['num'];
            $address = $_REQUEST['addr'];
            $pin = $_REQUEST['pin'];
            $city = $_REQUEST['city'];
            $country = $_REQUEST['con'];
            $skill = $_REQUEST['skill'];

            $sql = "INSERT INTO formtable VALUES ('$first_name','$middle_name',
                '$last_name','$password','$email','$gender','$phone','$address','$pin','$city','$country','$skill')";

            if(mysqli_query($conn, $sql)){
```

```
echo "<h3>data stored in a database successfully."
. " Please browse your localhost php my admin"
. " to view the updated data</h3>";

echo nl2br("\n$first_name\n $middle_name\n $last_name\n "
.$gender\n". "$phone\n". "$email\n". "$password\n". "$address\n". "$pin". "$city". "$country". "$skill");
} else{
    echo "ERROR: Hush! Sorry $sql. "
    . mysqli_error($conn);
}

mysqli_close($conn);
?>
</center>
</body>
</html>
```

35. Create a PHP page for login page with sql connection.

```
<!-- index.php -->
<!DOCTYPE html>
<html>
<head>
  <title>Login Form</title>
</head>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f2f2f2;
  }

  .container {
    max-width: 400px;
    margin: 0 auto;
    padding: 30px;
    background-color: #fff;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
  }

  h2 {
    text-align: center;
  }

  label {
    display: block;
    margin-bottom: 10px;
  }

  input[type="text"],
  input[type="password"] {
    width: 98%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 4px;
  }

  input[type="submit"] {
    width: 100%;
    padding: 10px;
    margin-top: 10px;
    background-color: purple;
    color: #fff;
    border: none;
```

```

        border-radius: 4px;
        cursor: pointer;
    }

    input[type="submit"]:hover {
        background-color: #45a049;
    }
</style>
<body>
    <fieldset>
    <h2>Login</h2>
    <form action="login.php" method="post">
        <label for="username">Username:</label>
        <input type="text" name="username" id="username" required><br>

        <label for="password">Password:</label>
        <input type="password" name="password" id="password" required><br>

        <input type="submit" value="Login">
    </form>
    </fieldset>
</body>
</html>

```

Php file:

```

<!-- login.php -->
<?php
$servername = "localhost";
$username = "admin";
$password = "password";
$dbname = "my_database";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $username = $_POST["username"];
    $password = $_POST["password"];

    // Verify login credentials
    // Perform necessary validation and authentication checks here

    // Assuming the login is successful

```



```

    if ($username == "admin" && $password == "password") {
        // Redirect to the application form
        header("Location: application_form.php");
        exit;
    } else {
        echo "Invalid username or password.";
    }
}

```

```

$conn->close();

```

```

?>

```

36. File Handling Using PHP

- a. Write a php program to Read from existing file.
- b. Write a php program to Write a file

```

<?php
//reading from file
// creating pointer for file
$fptr = fopen("myfile.txt","r");
if(!$fptr){
    die("failed to open the file");
}

```

```

// fetching content
$content = fread($fptr , filesize("myfile.txt"));
echo $content;

```

```

fclose($fptr);

```

```

$fptrr = fopen("myfile2.txt" , "w");
fwrite($fptrr,"this is the new content of the file");
fwrite($fptrr,"this is the another of the file");
fwrite($fptrr,"this is last of the file");

```

```

fclose($fptrr);

```

```

?>

```

OUTPUT:
30.

```
localhost/php/dlr/lab1.php

gettype function
integer
double
string
array
array

settype function
integer
string
integer

isset function
Variable 'a' is set.

unset function
The value of variable 'a' before unset: Hello world!
The value of variable 'a' after unset: Hello world!
```

31.

The screenshot shows a web browser window with the address bar displaying 'localhost/php/dlr/electricity.php'. The main content area has a light gray background. In the center, there is a white rectangular box containing the form. The form is titled 'Electricity Bill Calculator' in bold black text. Below the title, there are four input fields, each preceded by a label: 'Consumer Name:', 'Consumer Number:', 'Previous Reading:', and 'Present Reading:'. Each label is in bold black text. The input fields are white with a light gray border. At the bottom of the form box, there is a green button with the text 'Calculate Bill' in white. Below the form box, there is a white rectangular box that appears to be a placeholder for the output of the calculation.

Electricity Bill Details

Consumer Name: Sam

Consumer Number: 200211162

Previous Reading: 11101

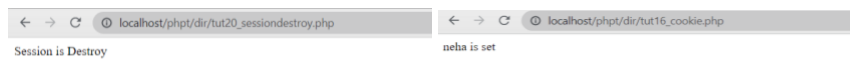
Present Reading: 11300

Units Consumed: 199

Rate: Rs. 4/Unit

Bill Amount: Rs. 796

32.



33.



34.

localhost/phpmyadmin/

Sign Up

First Name:

Middle Name:

Last Name:

Password:

Confirm Password:

Email:

Gender: ☐ Male ☐ Female

Contact-NO:

Address:

Pin-Code:

City:

Country:

Skills: ☐ PHP ☐ JAVA ☐ AJAX ☐ JQUERY ☐ .NET

☐ I have read terms and conditions.

Sign Up

First Name:

Middle Name:

Last Name:

Password:

Confirm Password:

Email:

Gender: ☒ Male ☐ Female

Contact-NO:

Address:

Pin-Code:

City:

Country:

Skills: ☒ PHP ☐ JAVA ☐ AJAX ☐ JQUERY ☐ .NET

☒ I have read terms and conditions.

data stored in a database successfully. Please browse your localhost php my admin to view the updated data

Sampada
Huria
female
9837897502
sampadahuria123@gmail.com
Sam123
Awasi Vikas , Gadarpur
263152GadarpurIndiaphp

SELECT * FROM `formtable`

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

| first_name | middle_name | last_name | password | email | gender | phone | address | pin | city | country | skill |
|------------|-------------|-----------|----------|------------------------------|--------|------------|------------------------|--------|----------|---------|--------|
| Sampada | | Huria | Sampu123 | sampadahuria123@gmail.com | male | 2147483647 | Awass Vikas , Gadarpur | 263152 | Gadarpur | India | php |
| Shashwat | | Mishra | sm12 | shashwatmishra2017@gmail.com | male | 2147483647 | Banda ,Uttar Pradesh | 263152 | Banda | India | java |
| Dravyanshu | | Singh | dr123 | dravyanshusingh12@gmail.com | male | 2147483647 | Banda ,Uttar Pradesh | 263152 | Banda | India | jquery |

35.

Login

Username:

Password:

Login

← → ↻ localhost/php/ldr/login_save.php

Login successful

36.

← → ↻ localhost/php/ldr/lab_last.php

this is the best file in this planet most important.

Write a program to enter TWO numbers and print the Swap Numbers using PHP Example.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
echo "Before Swapping:<br>";
```

```
$a = 1;
```

```
$b = 2;
```

```
echo "a = $a<br>";
```

```
echo "b = $b<br><br>";
```

```
echo "After swapping:<br>";
```

```
$temp = $a;
```

```
$a = $b;
```

```
$b = $temp;  
echo "a = $a<br>";  
echo "b = $b<br>";  
?>  
</body>  
</html>
```

Output:

Before Swapping:

a = 1

b = 2

After swapping:

a = 2

b = 1