**WDD ASSIGNMENT 3**

**71. Tell the different file handling modes available in PHP.**

**Answer:  
PHP uses fopen() with different modes to open files:**

* **"r" – Open for reading only; starts at the beginning of the file.**
* **"r+" – Open for reading and writing; starts at the beginning of the file.**
* **"w" – Open for writing only; erases file or creates a new file.**
* **"w+" – Open for reading and writing; erases file or creates a new file.**
* **"a" – Open for writing only; places file pointer at the end (append mode).**
* **"a+" – Open for reading and writing; places file pointer at the end.**
* **"x" – Create and open for writing only; returns FALSE if file exists.**
* **"x+" – Create and open for reading and writing; returns FALSE if file exists.**

**Example Code:**

**<?php**

**$file = fopen("example.txt", "w");**

**fwrite($file, "Hello, PHP!");**

**fclose($file);**

**echo "File created and written successfully.";**

**?>**

**Output:**

**File created and written successfully.**

**72. Write the PHP program to implement the following session functions. (i) session\_register() (ii) session\_unset() (iii) session\_destroy()**

**Answer:**  
session\_register() is deprecated; instead use $\_SESSION.

* session\_unset() removes all session variables.
* session\_destroy() destroys the session completely.

**Example:**

<?php

session\_start();

$\_SESSION["user"] = "Admin";

echo "Session started for " . $\_SESSION["user"] . "<br>";

session\_unset();

echo "All session variables are now removed.<br>";

session\_destroy();

echo "Session destroyed.";

?>

**Output:**

Session started for Admin

All session variables are now removed.

Session destroyed.

**73. Develop a PHP program to display an error message when a file other than jpg or png is uploaded.**

**Answer:**

<?php

if(isset($\_FILES["file"])) {

$fileType = pathinfo($\_FILES["file"]["name"], PATHINFO\_EXTENSION);

if($fileType != "jpg" && $fileType != "png") {

echo "Error: Only JPG or PNG files are allowed.";

} else {

echo "File uploaded successfully.";

}

}

?>

**Output:**

Error: Only JPG or PNG files are allowed.

*(If uploaded file is not JPG or PNG.)*

**74. Outline the file reading and writing functions of PHP with suitable examples.**

**Answer:**  
**Reading Functions:** fopen(), fread(), fgets(), file\_get\_contents().  
**Writing Functions:** fwrite(), file\_put\_contents().

**Example (Reading):**

<?php

$data = file\_get\_contents("example.txt");

echo $data;

?>

**Example (Writing):**

<?php

file\_put\_contents("example.txt", "Hello PHP File Handling");

echo "Data written successfully.";

?>

**75. Build a PHP function that takes the filename and a new line of content as input. Append the new line at the end of the file.**

<?php

function appendLine($filename, $content) {

file\_put\_contents($filename, $content . PHP\_EOL, FILE\_APPEND);

echo "Line appended successfully.";

}

appendLine("notes.txt", "This is a new line.");

?>

**Output:**

Line appended successfully.

**76. Write a simple 'birthday countdown' script.**

<?php

$birthday = strtotime("2025-12-25");

$today = time();

$diff = $birthday - $today;

$days = ceil($diff/(60\*60\*24));

echo "Days until birthday: $days";

?>

**77. Classify the various network functions which provide network information or functions.**

**Answer:**  
Common network functions in PHP:

* gethostbyname() – Get IP from hostname.
* gethostbyaddr() – Get hostname from IP.
* getservbyport() – Get service by port.
* getservbyname() – Get port by service name.
* ip2long() / long2ip() – Convert IP formats.
* dns\_get\_record() – Get DNS records.

**Example:**

<?php

echo "IP of example.com: " . gethostbyname("example.com") . "<br>";

echo "Hostname of 8.8.8.8: " . gethostbyaddr("8.8.8.8");

?>

**78. Elucidate the steps to read and delete existing cookies in the browser.**

**Answer:**

1. Use $\_COOKIE["name"] to read a cookie.
2. Use setcookie("name", "", time() - 3600) to delete it.

**Example:**

<?php

// Read cookie

if(isset($\_COOKIE["user"])) {

echo "User: " . $\_COOKIE["user"];

}

// Delete cookie

setcookie("user", "", time() - 3600);

?>

**79. Create a PHP program to append two files in another file.**

<?php

$content1 = file\_get\_contents("file1.txt");

$content2 = file\_get\_contents("file2.txt");

file\_put\_contents("merged.txt", $content1 . PHP\_EOL . $content2);

echo "Files merged successfully.";

?>

**80. Build a test cookie with setcookie() function using PHP.**

<?php

setcookie("TestCookie", "HelloCookie", time() + 3600);

echo "Cookie set successfully.";

?>

**81. Create Admin Login, Logout form using session variables in PHP.**

// login.php

<?php

session\_start();

if($\_POST["user"]=="admin" && $\_POST["pass"]=="1234") {

$\_SESSION["admin"] = "loggedin";

echo "Login successful.";

} else {

echo "Invalid credentials.";

}

?>

// logout.php

<?php

session\_start();

session\_destroy();

echo "Logged out successfully.";

?>

**82. Implement setcookie() function with various arguments.**

<?php

setcookie("user", "JohnDoe", time()+3600, "/", "", false, true);

echo "Cookie set with secure attributes.";

?>

**83. Develop PHP script to accept email addresses, validate, and display domain.**

<?php

$email = "admin@example.com";

if(filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

echo "Valid Email<br>";

$domain = substr(strrchr($email, "@"), 1);

echo "Domain: " . $domain;

} else {

echo "Invalid Email";

}

?>

**84. Create sessions, set values, remove data.**

<?php

session\_start();

$\_SESSION["name"] = "John";

echo "Session name: " . $\_SESSION["name"];

unset($\_SESSION["name"]);

session\_destroy();

?>

**85. Steps to get file name from a path.**

<?php

$path = "/var/www/html/index.php";

echo basename($path); // index.php

?>

**86. PHP File functions with example.**

<?php

$file = fopen("sample.txt", "w");

fwrite($file, "Hello PHP");

fclose($file);

echo "File created and written.";

?>

**87. Create a PHP Admin Login, Logout form using session variables.**

**<?php**

**session\_start();**

**if(isset($\_POST['login'])){**

**if($\_POST['user']=="admin" && $\_POST['pass']=="1234"){**

**$\_SESSION['admin'] = true;**

**echo "Welcome Admin!";**

**} else {**

**echo "Invalid credentials.";**

**}**

**}**

**if(isset($\_POST['logout'])){**

**session\_destroy();**

**echo "Logged out successfully.";**

**}**

**?>**

**<form method="post">**

**Username: <input type="text" name="user"><br>**

**Password: <input type="password" name="pass"><br>**

**<input type="submit" name="login" value="Login">**

**<input type="submit" name="logout" value="Logout">**

**</form>**

**88. Birthday countdown script .**

**<?php**

**$birthday = strtotime("2025-12-25");**

**$today = time();**

**$diff = $birthday - $today;**

**$days = ceil($diff / (60\*60\*24));**

**echo "Days until your birthday: " . $days;**

**?>**

**89. Construct PHP program to read a file.**

<?php

$data = file\_get\_contents("data.txt");

echo nl2br($data);

?>

**90. Write PHP program to open a text file and print all data.**

<?php

$file = fopen("data.txt", "r");

while(!feof($file)) {

echo fgets($file). "<br>";

}

fclose($file);

?>

**91. Recognize how sessions are stored in PHP.**

**Answer:**

* By default, PHP stores sessions on the server as files in /tmp or configured session save path.
* The session ID is stored on the client in a cookie called PHPSESSID.
* Server-side files contain serialized session variables.

**92. Get cookie value using server-side scripting.**

<?php

if(isset($\_COOKIE["user"])) {

echo "Cookie value: " . $\_COOKIE["user"];

} else {

echo "Cookie not set.";

}

?>

**93. Write a PHP program that keeps track of how many times a visitor loaded the page.**

<?php

session\_start();

if(!isset($\_SESSION["count"])) {

$\_SESSION["count"] = 1;

} else {

$\_SESSION["count"]++;

}

echo "Page views: " . $\_SESSION["count"];

?>

**94. Evaluate different file handling modes .**

**94. Evaluate the different file handling modes available in PHP with appropriate examples.**

**Answer:  
File modes in fopen():**

* **r (read), r+ (read/write) – file must exist**
* **w (write), w+ (read/write) – truncate or create**
* **a (append), a+ (read/append) – pointer at end or create**
* **x (exclusive create write), x+ (exclusive read/write) – fail if exists**
* **c (write/create, no truncate), c+ (read/write/create, no truncate)**

**Examples:**

**<?php**

**// r: read existing file**

**$f = fopen("readme.txt", "r");**

**echo fgets($f); fclose($f);**

**// w: truncate or create**

**$f = fopen("log.txt", "w");**

**fwrite($f, "New log\n"); fclose($f);**

**// a: append**

**$f = fopen("log.txt", "a");**

**fwrite($f, "Appended line\n"); fclose($f);**

**// x: create new; fail if exists**

**$f = @fopen("unique.txt", "x");**

**echo $f ? "Created\n" : "File already exists\n";**

**if ($f) fclose($f);**

**// c+: open/create without truncating**

**$f = fopen("counter.db", "c+");**

**fwrite($f, "state"); fclose($f);**

**?>**

**95. Discuss purpose of PHP sessions in shopping cart.**

**Answer:**

* Sessions maintain state across pages.
* They store cart items without requiring user to log in repeatedly.
* Useful for preserving data while browsing.

**96. How to register a variable in PHP session.**

<?php

session\_start();

$\_SESSION["username"] = "Admin";

echo "Session variable set.";

?>

**97. Discover various session functions.**

* session\_start(), session\_destroy(), session\_unset(), session\_id(), session\_regenerate\_id()

**98. Model an Admin Login, Logout form using session variables in PHP.**

* <?php
* session\_start();
* $validUser = "admin";
* $validPass = "1234";
* if(isset($\_POST['login'])){
* if($\_POST['user']===$validUser && $\_POST['pass']===$validPass){
* $\_SESSION['admin'] = true;
* header("Location: ".$\_SERVER['PHP\_SELF']); exit;
* } else { $msg = "Invalid credentials."; }
* }
* if(isset($\_POST['logout'])){
* session\_unset();
* session\_destroy();
* $msg = "Logged out.";
* }
* ?>
* <?php if(!empty($msg)) echo "<p>$msg</p>"; ?>
* <?php if(!empty($\_SESSION['admin'])): ?>
* <p>Welcome, Admin!</p>
* <form method="post"><button name="logout">Logout</button></form>
* <?php else: ?>
* <form method="post">
* <input name="user" placeholder="Username">
* <input name="pass" type="password" placeholder="Password">
* <button name="login">Login</button>
* </form>
* <?php endif; ?>

**99. Build PHP program to track visits and prevent duplicate upload.**

<?php

session\_start();

if(!isset($\_SESSION["count"])) {

$\_SESSION["count"] = 1;

} else {

$\_SESSION["count"]++;

}

echo "Visit count: " . $\_SESSION["count"];

$target = "uploads/" . basename($\_FILES["file"]["name"]);

if(file\_exists($target)) {

echo "Error: File already exists.";

} else {

move\_uploaded\_file($\_FILES["file"]["tmp\_name"], $target);

echo "File uploaded.";

}

?>

**100. Using PHP, construct a program to restrict the user from uploading the same file again and again. If the same file already exists in that folder, display an appropriate error message.**

**<?php**

**if($\_SERVER['REQUEST\_METHOD']==='POST'){**

**$dir = \_\_DIR\_\_."/uploads/";**

**if(!is\_dir($dir)) mkdir($dir);**

**$name = basename($\_FILES['file']['name']);**

**$dest = $dir.$name;**

**if(file\_exists($dest)){**

**echo "Error: '$name' already exists.";**

**} else {**

**echo move\_uploaded\_file($\_FILES['file']['tmp\_name'], $dest)**

**? "Uploaded '$name'."**

**: "Upload failed.";**

**}**

**}**

**?>**

**<form method="post" enctype="multipart/form-data">**

**<input type="file" name="file" required>**

**<button>Upload</button>**

**</form>**

**101. How to retrieve cookie value.**

<?php

echo $\_COOKIE["TestCookie"];

?>

**102. Develop a PHP program to use session variables and start a session.**

<?php

session\_start();

if(!isset($\_SESSION['start\_time'])){

$\_SESSION['start\_time'] = date('c');

}

$\_SESSION['message'] = "Hello, session!";

echo "Started at: ".$\_SESSION['start\_time']."<br>";

echo "Message: ".$\_SESSION['message'];

?>

**103. Create a very simple pageview counter by using ‘isset’ to check if the pageview variable has already been created.**

<?php

session\_start();

if(!isset($\_SESSION['pageviews'])) $\_SESSION['pageviews'] = 1;

else $\_SESSION['pageviews']++;

echo "Pageviews: ".$\_SESSION['pageviews'];

?>

**104. Open text file and print nth line.**

<?php

$lines = file("data.txt");

$n = 3;

if(isset($lines[$n-1])) {

echo $lines[$n-1];

} else {

echo "no data";

}

?>

**105. Get start and end date of a week.**

<?php

function getWeekDateRange($week, $year) {

$dto = new DateTime();

$dto->setISODate($year, $week);

$start = $dto->format('Y-m-d');

$dto->modify('+6 days');

$end = $dto->format('Y-m-d');

return array($start, $end);

}

list($start, $end) = getWeekDateRange(12, 2014);

echo "Week 12 of 2014 starts on $start and ends on $end";

?>