

sets

1,2

2,3,4

3,4,5

6,7,8

8,9,10

1 . Database

html

```
<html>
<head>
    <title>User Input Form</title>
</head>
<body>
    <h2>Enter Your Information</h2>
    <form action="submit.php" method="POST">
        <label for="name">Name:</label><br>
        <input type="text" id="name" name="name" required><br><br>

        <label for="mobile">Mobile:</label><br>
        <input type="text" id="mobile" name="mobile" required><br><br>

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

sql

```
CREATE DATABASE user_data;
USE user_data;

CREATE TABLE users (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100) NOT NULL,
    mobile VARCHAR(15) NOT NULL
);
```

php

```
<?php
$host = "localhost";
$user = "root";
$pass = "";
$db = "user_data";

$conn = new mysqli($host, $user, $pass, $db);

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

$name = $_POST['name'];
$mobile = $_POST['mobile'] ?? '';

$stmt = $conn->prepare("INSERT INTO users (name) VALUES (?)");
$stmt->bind_param("s", $name);

if ($stmt->execute()) {
    echo "Data successfully inserted!";
} else {
    echo "Error: " . $stmt->error;
}

$stmt->close();
$conn->close();
?>

<html>
<head>
    <title>Display User Info</title>
</head>
<body>
    <h2>User Details Received:</h2>
    <p><strong>Name:</strong> <?php echo htmlspecialchars($name); ?></p>
    <p><strong>Mobile:</strong> <?php echo htmlspecialchars($mobile); ?></p>
</body>
</html>
```

2 . redirect

```
<?php
$redirectUrl = "https://www.google.com";

header("Location: $redirectUrl");
exit();
?>

<html>
<head>
    <title>Redirecting...</title>
</head>
<body>
    <p>If you are not redirected automatically,
<a href="https://www.google.com">click here</a>.</p>
</body>
</html>
```

3 . ternary

```
<?php
function testNumber($n){
    $r = $n>30 ? "greater than 30":($n>20 ? "greater than 20":($n>10 ?
"greater than 10" : "Input a number at least greater than 10!"));
    echo $n . ":" . $r . "<br>";
}

echo testNumber(32). "<br>";
echo testNumber(21). "<br>";
echo testNumber(12). "<br>";
echo testNumber(4). "<br>";
?>
```

4 . country

```
<?php
$countries = [ "India" =>"New Delhi",
               "USA"  => "Washington D.C",
               "Japan" => "Tokyo",
               "France" => "Paris"];

ksort($countries);

foreach($countries as $country => $capital)
{
    echo"country : $country - capital : $capital <br>";
}
?>
```

5 . temperature

```
<?php
$temperatures =
[78,60,62,68,71,85,66,64,76,63,75,76,73,68,73,72,65,74,62,65,64];
$sum = array_sum($temperatures);
$count = count($temperatures);
$average = $sum/$count;

echo"Average Temperature :" . round($average,2) . "<br>";
sort($temperatures);
$lowest = array_slice($temperatures,0,5);
$highest = array_slice(array_reverse($temperatures),0,5);

echo "Five Lowest Temperatures :" . implode(",",$lowest) . "<br>";
echo "Five Highest Temperatures :" . implode(",",$highest) . "<br>";

?>
```

6 . sum

```
<?php
$sum = 0;
for ($i = 0; $i <= 30; $i++) {
    $sum += $i;
}
echo "Sum of integers from 0 to 30 is: $sum";
?>
```

7 . chess board

html

```
<html>
<head>
    <title>Chessboard</title>
</head>
<body>
<?php
echo "<table border='1' cellspacing='0'>";

for ($row = 1; $row <= 8; $row++) {
    echo "<tr>";
    for ($col = 1; $col <= 8; $col++) {
        $total = $row + $col;
        if ($total % 2 == 0) {
            $color = "white";
        } else {
            $color = "black";
        }
        echo "<td height='40' width='40' bgcolor='$color'></td>";
    }
    echo "</tr>";
}

echo "</table>";
?>
</body>
</html>
```

8 . lowercase

```
<?php
function isLowerCase($str)
{
    return ctype_lower($str);
}

echo isLowerCase("hello")?"All lowercase": "Not all lowercase";
?>
```

9 . date

```
<?php
$date1 = new DateTime("28-08-2025");
$date2 = new DateTime("20-01-2026");
$diff = $date1->diff($date2);
echo "<center>THE DAY FROM 2025-08-25 TO 2026-01-20 </center>" ;
echo "DIFFERENCES IS : ".$diff->days."days</center>" ;
?>
```

10 . timezone

```
<?php
date_default_timezone_set('Asia/Kolkata');
echo "Current Time In India : ". date('d-m-y H:i:s');
?>
```