

## 1. Write a PHP program to display 'Hello World' Message on Screen.

```
<?php echo "Hello,  
World!";  
?>
```

Output

Hello, World!

## 2. Write a PHP program to display the today's date and current time.

```
<?php  
  
// To display the current date echo "Today's Date  
is: " . date("d/m/Y") . "<br/>";  
  
// To display the current Time echo  
"Current Time is: " . date("h:i:sa");  
?>
```

Output

today is 24/01/17  
Current time is 01:37:19pm

## 3. Write a PHP program to display the Fibonacci series.

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



```

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>pr 3 php</pr3></title>
</head>
<body>

    <form action="" method="post">
        enter of number
    :-
        <input type="number" name="number">
        <br><br>
        <input type="submit" value="submit">

        <br>

    </form>
</body>
</html>
<?php

    $a = 0;
    $b = 1;
    $c;
    echo "print the
fibonnaci series : <br><br>";
    echo "number of $a
<br>";
    echo "number of $b
<br><br>";

    // echo "printf all the fibonnaci series : <br><br> ";
    if($_POST)
{

    $number = $_POST["number"];

    echo "fibonnacci series number :- <br>$number <br>";
    echo "printf all the fibonnaci series : <br><br> ";
    for($i=2; $i<= $number; $i++)
{

        $c = $a + $b;
        echo
"$c<br>";

```

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

    }

?>
```

Output

enter of number :-

submit

print the fibonnaci series :

number of 0 number  
of 1

fibonnacci series number :- 20  
printf all the fibonnaci series :

1  
2 3  
5  
8  
13  
21 34  
55  
89  
144  
233 377  
610  
987  
1597  
2584 4181  
6765

4. Write a PHP program to calculate sum of given number.

```

<?php

$num1 = 5;

$num2 = 8;


$sum = $num1 + $num2;


echo "Sum of these two numbers is: " . $sum;

?>

```

## Output

Sum of these two numbers is: 13

5. Write a PHP Program that will use the concept form.

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>practical 04
    </title>
</head>
<body>

    <form action="" method="post">
enter the name:
        <input type="text" name="name" id=""><br>
        enter of a E-
mail:

```

```

        <input type="text" name="email" value=""><br>
        enter the
address:
        <input type="text" name="address"><br>
        enter phone
number:
        <input type="number" name="number"><br>
        <input type="submit" value="submit"><br>

    </form>
</body>
</html>

<?php    if
($_POST) {

        $name = $_POST["name"];
        $email = $_POST["email"];
        $add = $_POST["address"];
        $number = $_POST["number"];
        echo  "$name<br>" . "$email<br>" . "$add<br>" .
"$number<br>";

    }

?>

```

Output enter

the name:

enter of a E-

mail:

enter the address: enter phone  
number:

jayesh

jayeshvanjara167@gmail.com  
ta bhiloda 9327704152

6. Write a PHP program to read the employee detail using form component.

```
<html>

<head>
  <title>Employee Detail Form</title>
</head>

<body>

  <form action="" method="post">
    <label for="employee_name">Name:</label><br>
    <input type="text" id="" name="name" ><br>

    <label for="employee_email">Email:</label><br>
    <input type="email" id="" name="email" ><br>
    <label for="employee_department">Department:</label><br>
    <input type="text" id="" name="department" ><br><br>
    <input type="submit" value="Submit">
  </form>

</body>
</html>

<?php
if
($_POST) {

    $name = $_POST["name"];
    $email = $_POST["email"];
    $employee = $_POST["department"];

    echo  "$name<br>" . "$email<br>" . "$employee<br>";
}

?>
```

Output

```
?>
```

Output Name:

Email:

Department:

Submit

jayesh

jayeshvanjara167@gmail.com

BCA

7. Write a PHP program to demonstrate the use of array.

```
<?php
```

```
    // Declaring an array in PHP
```

```
    $myArray = array("apple", "banana", "cucumber");
```

```
    // Adding elements to an array
```

```
    array_push($myArray, "grape");
```

```
    // Retrieving elements from an array
```

```
    // This line of code will print an orange
```

```
    echo $myArray[3];
```

```
?>
```

Output

Grape

8. Write a PHP program to prepare student Mark sheet using Switch statement.



```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>student marks sheetfor php
    </title>
</head>
<body>

    <form action="" method="post">

        Enter the student name :
        <input type="text" name="name"><br>

        Enter of the SID :
        <input type="text" name="sid"><br>

        <h3>Enter of the student marks : <br></h3>
        sub_1 C++
:
        <input type="text" name="sub_1"><br>
        sub_2 PHP
:
        <input type="text" name="sub_2"><br>
        sub_3 E-COM
:
        <input type="text" name="sub_3"><br>
        sub_4 DMDH
:
        <input type="text" name="sub_4"><br>

        <h4>enter the practical marks of student :
        </h4><br>
        sub_5 C++
:
        <input type="text" name="sub_5"><br>
<br>
sub_6 PHP:
        <input type="text" name="sub_6"><br>
        <input type="submit" value="submit"><br>
    </form>
</body>

```

```

</html>

<?php
if
($_POST) {

    $name = $_POST["name"];
    $sid = $_POST["sid"];

    $sub_1 = $_POST["sub_1"];
    $sub_2 = $_POST["sub_2"];
    $sub_3 = $_POST["sub_3"];
    $sub_4 = $_POST["sub_4"];
    $sub_5 = $_POST["sub_5"];
    $sub_6 = $_POST["sub_6"];
    echo " student name : $name<br>";
echo "student SID is : $sid<br><br>";
        echo " C++
marsk : $sub_1<br>";        echo " PHP
marsk : $sub_2<br>";        echo " E-
COM marsk : $sub_3<br>";        echo "
DMDH marsk : $sub_4<br>";
        echo " practical marks :
<br><br>";        echo " C++ marsk :
$sub_5<br>";        echo " PHP marsk :
$sub_6<br>";

    $total = $sub_1 + $sub_2 + $sub_3 + $sub_4 + $sub_5 + $sub_6;
        echo " total marsk of
student: $total<br><br>";

    $average = $total / 6.0;
    echo " total average is : $average<br><br>";
    $perctage = ($total / 600.0) * 100;
    echo "total perctage is : $perctage<br><br>";
    $avg = (int) ($average / 10);

    switch ($avg) {
case 10:
        $grade = 'A';
break;

```

```

case 9:
    $grade = 'A';
break;

case 8:
    $grade = 'B';
break;

case 7:
    $grade = 'C';
break;

case 6:
    $grade = 'D';
break;

default:
    $grade = 'E';
break;
    }
    echo "total grade of student :
$grade";
}
?>

```

Output Enter

the student

name :

Enter of the SID :

**Enter of the student marks :**

sub\_1 C++

: sub\_2

PHP :

sub\_3 E-

COM :

sub\_4 DMDH :

*enter the*

*practical marks of*

*student :*

sub\_5

C++ :

sub\_6

PHP:

student name : jayesh

student SID is : 2022bca057

C++ marsk : 78

PHP marsk : 98

E-COM marsk : 80

DMDH marsk : 90

practical marks :

C++ marsk : 99 PHP

marsk : 88

total marsk of student: 533

total average is : 88.833333333333

total percentage is : 88.833333333333

total grade of student : B

9. Write a PHP program to generate the multiplication of matrix

```
<?php
function multiply(&$mat1, &$mat2, &$res)
{
    $N = 4;
    for ($i = 0; $i < $N; $i++)
    {
        for ($j = 0; $j < $N; $j++)
        {
            $res[$i][$j] = 0;
            for ($k = 0; $k < $N; $k++)
                $res[$i][$j] += $mat1[$i][$k] *
                                $mat2[$k][$j];
        }
    }
}

$mat1 = array(array(1, 1, 1, 1),
               array(2, 2, 2, 2),
               array(3, 3, 3, 3),
               array(4, 4, 4, 4)
);

$mat2 = array(array(1, 1, 1, 1),
               array(2, 2, 2, 2),
               array(3, 3, 3, 3),
               array(4, 4, 4, 4)
);

multiply($mat1, $mat2, $res);
$N = 4;
echo ("Result matrix is <br>
");
for ($i = 0; $i < $N; $i++)
{
    for ($j = 0; $j < $N; $j++)
    {
        echo ($res[$i][$j])."";
        echo(" ");
    }
    echo ("<br>
");
}
```

```
?>
```

## OUTPUT:

**Result matrix is**

**10 10 10 10**

**20 20 20 20**

**30 30 30 30**

**40 40 40 40**

10. Write a PHP program to send Mail from PHP Script

```
<?php

$to = "recipient@example.com";
$subject = "test email";
$message = "this is a test email sent from a php script .";

$headers = "from : sender@example.com"."<br>";
"CC: cc_recipient@example.com";

mail($to,$subject,$message,$headers);
echo "email sent successfully.";

?>
```

## OUTPUT:

**email sent successfully.**

11. Write a PHP Program for Create, Delete, and Copying file from PHP Script.

```
<?php

$myfile = fopen("j.txt","w");

// fwrite($myfile,"jayesh");
$txt = "hello computer";

fwrite($myfile,$txt);

if(file_exists("j.txt")){
```

```
        unlink("j.txt");
    }

$file1 = "j.txt";
$file2 = "copy.txt";
copy($file1,$file2);

?>
```

## OUTPUT:

### HELLO COPUTER

#### 12. Write a PHP Program to Recursive Traversals of Directory

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>

<form action="" method="post">
    enter the number :
    <input type="number" name="number">
    <br>
    <input type="submit" name="submit" id="">
</form>
</body>
</html>

<?php

function factorial($n)
{
    if ($n==0) {
        return 1;
    }
    else{
        return($n * factorial($n -1));
    }
}
```

```

    }
}

$number = $_POST['number'];

echo $number."<br>";

echo "factorial is : ";

echo factorial($number);
?>

```

## OUTPUT:

enter the number : 5

**5**

**factorial is : 120**

## 13. Write a PHP Program to Validate Input Data.

```

<?php

$name = filter_input (INPUT_POST, 'name', FILTER_SANITIZE_STRING);
$age = filter_input (INPUT_POST, 'age', FILTER_SANITIZE_NUMBER_INT);

$name = htmlspecialchars($name);
$age = htmlspecialchars($age);

if (!preg_match('/^[a-zA-Z\s]+$/', $name)) {
    echo 'Name can only contain letters and spaces.';
    exit();
}
if (!preg_match('/^[0-9]+$/', $age)) {
    echo 'Age can only be integers.';
    exit();
}

echo $name;

```



```
    echo $age;  
  
?>
```

## OUTPUT:

**Name can only contain letters and spaces.**

14. Write a PHP Program to Upload File.

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <title>upload file </title>  
</head>  
<body>  
  
    <form action="" method="post" enctype="multipart/form-data">  
        <input type="file" name="image"><br>  
        <input type="submit" name="submit" id="">  
    </form>  
  
</body>  
</html>  
  
<?php  
  
    if (isset($_FILES['image'])) {  
        // echo"<pre>";  
        // print_r($_FILES);  
        // echo"</pre>";  
  
        $file_name = $_FILES['image']['name'];  
        $file_size = $_FILES['image']['size'];  
        $file_tmp = $_FILES['image']['tmp_name'];  
        $file_type = $_FILES['image']['type'];  
  
        if( move_uploaded_file($file_tmp,"jay/".$file_name)){  
  
            echo "successfully uploaded.<br>";  
        }  
    }  
}
```

```

    }
    else{
        echo "could not uploaded this file";
    }

}

?>

```

## OUTPUT:



**successfully uploaded.**

15. Write a PHP program to perform demonstrates the college Website.

```

<?php

$collegeName = "Let's Code College";

// this defines a constant
define("COLLEGE_WEBSITE", "https://www.justdial.com/");

echo "Welcome To {$collegeName}.";
echo COLLEGE_WEBSITE;

?>

```

## OUTPUT:

**Welcome To Let's Code College.https://www.justdial.com/**

16. Write a PHP program for Error Handling.

```

<?php

function customError($errno, $errstr) {
    echo "<b>Error:</b> [$errno] $errstr<br>";
    echo "Ending Script";
    die();
}

set_error_handler("customError",E_USER_WARNING);

$test=2;

```

```
if ($test>=1) {  
    trigger_error("Value must be 1 or below",E_USER_WARNING);  
}  
?>
```

## OUTPUT:

Error: [512] Value must be 1 or below

## Ending Script

17. Write a PHP Program for Session and Cookies.

```
<?php  
session_start();  
$value = "Value to be stored as a cookie";  
  
// Set cookie  
setcookie("cookieName", $value);  
  
// Store session data  
echo $_SESSION["username"] = "JohnDoe";  
  
?>
```

## OUTPUT:

**JohnDoe**

18. Write a PHP program for connection with my Sql and display all record from the database

```
<?php  
$servername = "localhost";  
$username = "root";  
$password = "";  
$dbname = "myDB";  
  
// Create connection  
$conn = new mysqli($servername, $username, $password, $dbname);  
// Check connection  
if ($conn->connect_error) {  
    die("Connection failed: " . $conn->connect_error);  
}  
  
// Running query on the database  
$sql = "SELECT * FROM MyGuests ";  
$result = $conn->query($sql);
```

```

// Display all records from the database
if ($result->num_rows > 0) {
    while($row = $result->fetch_assoc()) {
        // echo "id: " . $row["id"]. " - Name: " . $row["name"]. "<br>";

        echo "firstname:<br>".$row["firstname"]. "<br>". "lastname:<br>".
$row["lastname"]. "<br>". "email:<br>". $row["email"]. "<br>";
    }
} else {
    echo "0 results";
}

// Close the connection
$conn->close();
?>

```

## OUTPUT:

**firstname:**

**John**

**lastname:**

**Doe**

**email:**

[john@example.com](mailto:john@example.com)

20. Write a PHP program for add record into database

```

<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "myDB";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "INSERT INTO MyGuests (firstname, lastname, email)
VALUES('John', 'Doe', 'john@example.com'),
VALUES('Joh', 'Doe', 'joh@example.com'),
VALUES('Jon', 'Doe', 'jon@example.com') ";

```

```

if ($conn->query($sql) === TRUE) {
    echo "New record created successfully";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}

$conn->close();
?>

```

**OUTPUT:**

## NEW RECORD CREATED SUCCESSFULLY

20. Write a PHP program for search record from the database.

```

<?php
$connect = mysqli_connect("localhost", "root", "", "myDB");

if(isset($_POST['search']))
{
    $valueToSearch = $_POST['valueToSearch'];
    // search in all table columns
    // using concat mysql function
    $query = "SELECT * FROM `MyGuests` WHERE CONCAT(`id`,
`firstname` `lastname`) LIKE '%" . $valueToSearch . "%'";
    $search_result = filterTable($query);
}
else {
    $query = "SELECT * FROM `MyGuests`";
    $search_result = filterTable($query);
}

// function to connect and execute the query
function filterTable($query)
{
    $connect = mysqli_connect("localhost", "root", "", "myDB");
    $filter_Result = mysqli_query($connect, $query);
    return $filter_Result;
}

?>
<!DOCTYPE html>
<html>
    <head>
        <title>PHP HTML TABLE DATA SEARCH</title>

```

```

<style>
    table,tr,th,td
    {
        border: 1px solid black;
    }
</style>
</head>
<body>

    <form action="" method="post">
        <input type="text" name="valueToSearch" placeholder="Value a
search"><br><br>
        <input type="submit" name="search" value="Filter"><br><br>

        <table>
            <tr>
                <th>id</th>
                <th>name</th>
                <th>lname</th>
                <!-- <th>column_name4</th> -->
            </tr>

            <!-- populate table from mysql database -->
            <?php while($row = mysqli_fetch_array($search_result)):?>
                <tr>
                    <td><?php echo $row['id'];?></td>
                    <td><?php echo $row['firstname'];?></td>
                    <td><?php echo $row['lastname'];?></td>
                </tr>
            <?php endwhile;?>
        </table>
    </form>

</body>
</html>

```

## OUTPUT:



id	name	lname
----	------	-------

1	John	Doe
---	------	-----

21. Write a PHP program for delete, update record from the database

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDB";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "DELETE FROM MyGuests WHERE id=3";

$sql = "UPDATE MyGuests SET lastname='Doe' WHERE id=2";

if ($conn->query($sql) === TRUE) {
    echo "Record updated successfully";
} else {
    echo "Error updating record: " . $conn->error;
}

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

**Output:**

**Record updated successfully**

22 .Develop a PHP application to make following Operation: Registration of user, Insert the details of user, Modify the details

```
<!DOCTYPE html>
```

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

```
<head>
```

```
<title>Store Data</title>
</head>
<body>
  <center>
    <h1>Storing Form data in Database</h1>
    <form action="2.php" method="post">

<p>
  <label for="firstName">First Name:</label>
  <input type="text" name="first_name" id="firstName">
</p>

<p>
  <label for="lastName">Last Name:</label>
  <input type="text" name="last_name" id="lastName">
</p>

<p>
  <label for="Gender">Gender:</label>
  <input type="text" name="gender" id="Gender">
</p>

<p>
  <label for="Address">Address:</label>
  <input type="text" name="address" id="Address">
</p>
```



```
<p>
    <label for="emailAddress">Email Address:</label>
    <input type="text" name="email" id="emailAddress">
</p>

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

```
<?php
```

```
$conn = mysqli_connect("localhost", "root", "", "staff");
```

```
if($conn === false){
    die("ERROR: Could not connect. "
        . mysqli_connect_error());
}
```

```
$first_name = $_REQUEST['first_name'];
```

```
$last_name = $_REQUEST['last_name'];
```

```
$gender = $_REQUEST['gender'];
```

```
$address = $_REQUEST['address'];
```

```
$email = $_REQUEST['email'];
```

```
$sql = "INSERT INTO college VALUES ('$first_name',  
    '$last_name','$gender','$address','$email')";
```

```
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 $last_name\n "  
    . "$gender\n $address\n $email");
```

```
} else{  
    echo "ERROR: Hush! Sorry $sql. "  
    . mysqli_error($conn);  
}
```

```
mysqli_close($conn);
```

```
?>
```

```
<?php
```

```
$conn = mysqli_connect("localhost","root","","staff","college");
```

```
if ($conn === false) {  
    dis("ERROR:could not connectn". mysqli_connect_error());
```

```
}
```

```
$sql = "UPDATE college SET last_name='vanjara1' WHERE id='1' ";
```

```
if ($conn -> query($sql) === TRUE) {
```

```
    echo "Record updated successfully";
```

```
}
```

```
else{
```

```
    echo "error updating record" . $conn -> error;
```

```
}
```

```
$conn -> close();
```

```
?>
```

OUTPUT:

## Storing Form data in Database

First Name:

Last Name:

Gender:

Address:

Email Address:

Submit

---

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

---

jayesh  
vanjara  
mile  
ta bhiloda  
[jayeshvanjara167@gmail.com](mailto:jayeshvanjara167@gmail.com)