1)

$input\_array = array( "LIRIL", "MADAM", "MUMBAI", "LEVEL", "ROTATOR", "PHP" );

function checkReverseElementInAarray($input\_array)

{

$j = 0;

foreach($input\_array as $arr\_element)

{

$reverse\_string = "";

$output = "";

//Logic for reverse string

for($i=strlen($arr\_element)-1; $i>=0; $i--)

{

$reverse\_string .= $arr\_element[$i];

}

//Check reverse string is equal to original string or not

if($arr\_element == $reverse\_string)

{

$output = "Yes";

}

else

{

$output = "No";

}

if($j!=0)

$output = ', '.$output;

$j++;

echo $output;

}

}

checkReverseElementInAarray($input\_array);

2)

$input\_array = array( 10, 5, 10, 25 ) ;

function displayShape($input\_array)

{

$identical\_elements = array\_count\_values($input\_array);

if(count($identical\_elements)==1)

{

echo "Square";

}

else if(count($identical\_elements)==2)

{

echo "Rectangle";

}

else

{

echo "Polygon";

}

}

displayShape($input\_array);

3)

$input\_array = array( 50 , -25, 5 , -5 , 30, -120, 60 , 5, 10 );

function printOrder($input\_array)

{

$output\_string ="";

for($i=0;$i<count($input\_array);$i++)

{

if($i==0)

$output = $input\_array[0];

else

$output = $output + $input\_array[$i];

if($i!=0)

echo ', '.$output;

else

echo $output;

}

}

printOrder($input\_array);

4) SELECT count(id) NumberOfProducts, type FROM products GROUP BY type

5) SELECT count(id) NumberOfProducts, type FROM products GROUP BY type HAVING NumberOfProducts>50

6) SELECT u.id, u.name, u.city, up.id product\_id, up.type product\_type FROM users u

JOIN users\_products up ON u.id= up.user\_id

WHERE u.city='Mumbai'

7) SELECT e.name, e.city, e.datetime, ep.product\_name, ep.product\_price FROM enquiries e

JOIN enquired\_products ep ON e.id=ep.enquire\_id

WHERE e.datetime between '2014-04-01' AND '2015-03-31'

AND ep.product\_price between 200000 AND 300000

AND ep.product\_name = 'maruti 800'

8)

<div id="content">

<?php

$db\_con = mysql\_connect("localhost","root","password");

$my\_db = mysql\_select\_db("test");

$start=0;

$limit=10;

if(isset($\_GET['id']))

{

$id=$\_GET['id'];

$start=($id-1)\*$limit;

}

else{

$id=1;

}

//Fetch from database first 10 items which is its limit.

$query=mysqli\_query($db\_con,"select \* from user LIMIT $start, $limit");

?>

<ul>

<?php

//print 10 items

while($result=mysqli\_fetch\_array($query))

{

echo "<li>".$result['username']."</li>";

}

?>

</ul>

<?php

//fetch all the data from database.

$rows=mysqli\_num\_rows(mysqli\_query($dbconfig,"select \* from user"));

//calculate total page number for the given table in the database

$total=ceil($rows/$limit);

if($id>1)

{

//Go to previous page to show previous 10 items. If its in page 1 then it is inactive

echo "<a href='?id=".($id-1)."' class='button'>PREVIOUS</a>";

}

if($id!=$total)

{

////Go to previous page to show next 10 items.

echo "<a href='?id=".($id+1)."' class='button'>NEXT</a>";

}

?>

<ul class='page'>

<?php

//show all the page link with page number. When click on these numbers go to particular page.

for($i=1;$i<=$total;$i++)

{

if($i==$id) { echo "<li class='current'>".$i."</li>"; }

else { echo "<li><a href='?id=".$i."'>".$i."</a></li>"; }

}

?>

</ul>

</div>

9)

<?php

$input\_array=array( 34,66,33,44,77,11,33,4,6,7 );

for($j = 0; $j < count($input\_array); $j ++) {

for($i = 0; $i < count($input\_array)-1; $i ++){

if($input\_array[$i] > $input\_array[$i+1]) {

$temp = $input\_array[$i+1];

$input\_array[$i+1]=$input\_array[$i];

$input\_array[$i]=$temp;

}

}

}

echo "Sorted Array is: ";

echo "<br />";

print\_r($array);

?>

10)

function printUpperTriangle($lines=5)

{

for($i=1;$i<=$lines;$i++)

{

echo '1';

for($j=1;$j<$i;$j++)

{

echo $j+1;

}

echo "<br>";

}

}

printUpperTriangle(10);

11)

function printUpperTriangle($start=1, $lines=5)

{

for($i=1;$i<=$lines;$i++)

{

echo $start;

for($j=1;$j<$i;$j++)

{

echo $j+$start;

}

echo "<br>";

}

}

printUpperTriangle(5,3);

12)

$start = "2015-01-01 10:00:00";

$end = "2015-05-05 12:06:06";

function dateDifference($sdate , $edate , $differenceFormat = '%m months, %d days, %h hours, %i minutes and %s seconds' )

{

$datetime1 = date\_create($sdate);

$datetime2 = date\_create($edate);

$interval = date\_diff($datetime1, $datetime2);

return $interval->format($differenceFormat);

}

echo dateDifference($start, $end);

13)

function pintFibnocciNumbers($limit=11)

{

$count = 0 ;

$f1 = 0;

$f2 = 1;

$f5 = '';

echo $f1." , ";

echo $f2." , ";

while ($count < $limit )

{

$f3 = $f2 + $f1 ;

echo $f3." , ";

$f1 = $f2 ;

$f2 = $f3 ;

$count = $count + 1;

}

}

pintFibnocciNumbers();

14)

function reverseNumber($given\_number=12345)

{

$reverse\_string = "";

$given\_number = (string)$given\_number;

//Logic for reverse string

for($i=strlen($given\_number)-1; $i>=0; $i--)

{

$reverse\_string .= $given\_number[$i];

}

echo $reverse\_string;

}

reverseNumber();

15)

^\w{2}-\d{2}-\w{1,2}-\d{1,4}$