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Roll-no: 10

Class: MCA 2

Subject: Web Application Development (WAD)

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Assignment - 1

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Q1) Write program in PHP and Html which ask user to enter the Amount,rate and Duration in years and calculate and display

Simple the simple interest.

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```
<!DOCTYPE html>
<html lang="en">
<head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Assignment 1 XT1</title>
        <link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
```

```
        <div class="box">
                <h1>PRN FINDER</h1>
                <form method="POST" name="form1">
                        <div>
                                <input type="number" name="p" placeholder="Enter Amount">
                        </div>
                        <div>
                                <input type="number" name="r" placeholder="Enter Rate Of
Interest">
                        </div>
                        <div>
                                <input type="number" name="n" placeholder="Enter No of years">
                        </div>
                        <div>
                                <button class="submit" name="submit"> Submit </button>
                        </div>
                </form>
        </div>
        <?php
                if(isset($_POST['submit'])){
                        echo "<center>";
                        $prn = ($_POST['p'] * $_POST['r'] * $_POST['n']) / 100;
                        echo "<h2> $prn </h2>";
                        echo "</center>";
                }
        ?>
</body>
</html>
```

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Q2) Write a PP and HTML script which ask user to enter his first name and last name and display it. The program must get the values

by using $_GET, $POST and $_REQUEST. Check if you set method = Get/post and retrieve the variable using $_POST/$_GET.

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```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Assignment 1 XT2</title>
	<link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
	<div class="box">
		<form method="POST" name="form1">
			<div>
				<input type="text" name="fname" autocomplete="off" placeholder="First Name">
			</div>
			<div>
				<input type="text" name="lname" autocomplete="off" placeholder="Last Name">
			</div>
			<div>
				<button class="submit" name="submit"> Submit </button>
			</div>
		</form>
```

```
<?php
if(isset($_POST['submit']))
{
	if($_SERVER['REQUEST_METHOD'] === 'POST') {
		echo "<br>Method is POST";
		if($_REQUEST['fname']) {
			echo "<br>Using Request";
			echo "<br> Your First name : " . $_REQUEST['fname'];
		}
		if($_REQUEST['fname']) {
			echo "<br> Your First name : " . $_REQUEST['lname'];
		}
	}

	else if ($_SERVER['REQUEST_METHOD'] === 'GET') {
		echo "<br>Method is GET";
		if($_REQUEST['fname']) {
			echo "<br>Using Request";
			echo "<br> Your First name : " . $_REQUEST['fname'];
		}
		if($_REQUEST['fname']) {
			echo "<br> Your First name : " . $_REQUEST['lname'];
		}
	}
}
?>
	</div>
</body>
</html>
```

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Q3) Write a PHP script which ask user to provide min and max radius value. The sciprt will display area of a circle of radius wise.

The format should be as follow: The area of circle for radius 1 is 3.14 sq meter. [Min value = 1]

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```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Assignment 1 XT3</title>
	<link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
	<div class="box">
		<form method="POST">
			<div>
				<input type="number" name="min" autocomplete="off" placeholder="Minimum">
			</div>
			<div>
				<input type="number" name="max" autocomplete="off" placeholder="Maximum">
			</div>
			<div>
				<button class="submit" name="submit"> Submit </button>
			</div>
		</form>
```

```
<?php
if (isset($_POST['submit'])) {
	$min = $_POST['min'];
	$max = $_POST['max'];
	if($min < 1) {
		echo "<br>Minimum Value must be greater than 0";
		die();
	}
	else if($min > $max){
		echo "<br>Maximum value must be greater than mininum value";
		die();
	}

	for ($i = $min; $i <= $max ; $i++) {
		echo "<br> The radius of " .$i. " is " . (3.14 * $i * $i);
	}
}
?>
</div>
</body>
</html>
```

****

4) Write a PHP/HTML script which ask user to enter StudentID, Name, and marks of the 3 subjects. The script will display the

total marks,percentage and grade. The guideline to determine Grade is;

Grade A if percentage >70

Grade B if percentage >65

Grade C if percentage >60

Grade D if percentage >55

Grade E if percentage >50

Grade F if percentage < 50.

Write the same script by using if –else ladder and switch case. Make validations that the marks are must be positive integer numbers only. StudentID and student Name must be entered.

****

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Assignment 1 XT4</title>
	<link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
	<div class="box">
		<form method="POST">
			<div>
				<input type="number" name="rno" required placeholder="Student Roll No">
			</div>
			<div>
				<input type="text" name="sname" autocomplete="off" placeholder="Enter Student Name">
			</div>
			<div>
				<input type="number" name="m1" autocomplete="off" placeholder="Marks 1">
			</div>
			<div>
```

```
                        <input type="number" name="m2" autocomplete="off"
placeholder="Marks 2">
                    </div>
                    <div>
                        <input type="number" name="m3" autocomplete="off"
placeholder="Marks 3">
                    </div>
                    <div>
                        <button class="submit" name="submit"> Submit </button>
                    </div>
                </form>

                <?php
                if(isset($_POST['submit'])){
                    if($_POST['rno'] == '' || is_nan($_POST['rno'])) {
                        echo "Invalid Student Roll No.";
                    }
                    else if ($_POST['sname'] == '') {
                        echo "Fill Student Name.";
                    }
                    else {
                        $m1 = $_POST['m1'];
                        $m2 = $_POST['m2'];
                        $m3 = $_POST['m3'];
                        if($m1 < 0 || $m1 > 100 || $m2 < 0 || $m2 > 100 || $m3 < 0 || $m3
> 100) {
                            echo "<br>Marks Must be btween 0 to 100";
                        } else {
                            $tot = $m1 + $m2 + $m3;
                            $per = $tot / 3;
                            echo "<br>Total: " . number_format((float)$tot, 2, '.', ',');
```

```
                                        echo "<br>Percentage: " . number_format((float)$per, 2, '.',
'');

                                        switch(1) {
                                                case ($per > 80): echo "<br>Distinction"; break;
                                                case ($per > 70): echo "<br>First Class"; break;
                                                case ($per > 60): echo "<br>Second Class"; break;
                                                case ($per > 50): echo "<br>Third Class"; break;
                                                case ($per > 35): echo "<br>Pass"; break;
                                                default: echo "<br>Fail"; break;
                                        }
                                }
                        }
                }
                ?>
        </div>
</body>
</html>
```

****

Q5) Write a PHP script which will write students information in a binary(textfile) name studinfo.txt and display acknowledgement.

****

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

```
	<title>Assignment 1 XT5</title>
	<link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
	<div class="box">
		<form method="POST">
			<div>
				<input type="text" name="sname" autocomplete="off" placeholder="Enter The Name" required>
			</div>
			<div>
				<button class="submit" name="submit"> Submit </button>
			</div>
		</form>

		<?php
		if(isset($_POST['submit'])) {
			if ($_POST['sname'] == '')
			{
				echo "Fill The Name";
			}
			else {
				$f1 = @fopen('files/studinfo.txt', 'a+b');
				$sname = "\r\n" . $_POST['sname'];
				$fwrite = fwrite($f1, $sname);
				if($fwrite === false) {
					echo "Fail To Register Name.";
				} else {
					echo "Name Registered Successfully. " . $fwrite . " bytes written.";
				}
				fclose($f1);
```

```
                }
            }
            ?>
        </div>
</body>
</html>
```

****

6) Write a PHP script which will read the students information from the file studinfo.txt and display records.

****

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Assignment 1 XT6</title>
</head>
<body>
<?php
    if(file_exists("files/studinfo.txt")) {
        $f1Handle = @fopen("files/studinfo.txt", "rb");
        echo fread($f1Handle, filesize('files/studinfo.txt'));
        $fn = fopen("files/studinfo.txt","r");
        while(! feof($fn))  {
            $result = fgets($fn);
            echo "<br>" . $result;
        }
```

```
                fclose($fn);
                fclose($f1Handle);
        }
        else {
                echo "No such File Exists";
        }
?>
</body>
</html>
```

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Q7) Write a PHP script which will display the filesize studinfo.txt and display records. Also provide functionality of record

navigation by using fseek, ftell and seek in built functions.

****

```
<!DOCTYPE html>
<html lang="en">
<head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Assignmnet 1 XT7</title>
</head>
<body>
        <?php
        $file = 'files/7.txt';

        $fReadHandle = fopen("files/studinfo.txt", 'r+');
        $currentPosition = fgets($fReadHandle, 4);
```

```
        echo "<br> Reading from Start <br>" . $currentPosition;

        $currentPosition = fgets($fReadHandle, 5);
        echo "<br> Reading from the last read <br>" . $currentPosition;
        fseek($fReadHandle, 0);

        $currentPosition = fgets($fReadHandle, 4);
        echo "<br> Again Reading from Start <br>" . $currentPosition;

        $ftell = ftell($fReadHandle);
        echo '<br> $ftell' . " $ftell ";
        ?>
</body>
</html>
```

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Q8) Create a PHP/HTML script which allows user to choose his/her hobbies by checking the checkboxes and display the user's hobbies.

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```
<!DOCTYPE html>
<html lang="en">
<head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Assignment 1 XT8</title>
        <link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
        <div class="box">
```

```
            <h2>Hobby Selector</h2>
            <form method="POST">
                <div>
                    <input type="checkbox" id="h1" name="hobby[]" value="Gaming">
Gaming
                    <input type="checkbox" id="h2" name="hobby[]" value="Study">
Study
                    <input type="checkbox" id="h3" name="hobby[]" value="Sleeping">
Sleeping
                    <input type="checkbox" id="h3" name="hobby[]" value="Riding">
Riding
                    <input type="checkbox" id="h3" name="hobby[]"
value="Travelling"> Travelling
                </div>
                <div>
                    <button class="submit" name="submit"> Submit </button>
                </div>
            </form>
            <?php
                if(isset($_POST['submit'])){
                    if(!empty($_POST['hobby'])){
                        foreach($_POST['hobby'] as $selected){
                            echo $selected."</br>";
                        }
                    }
                }
            ?>
        </div>
</body>
</html>
```

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Q9) Create an array of your favorite Punjabi food. Write PHP script to display only even number position Punjabi food.

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```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Assignment 1 XT9</title>
	<link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
	<div class="box">
	<?php
		$arr = array("1. Chana Masala","2. Dal Makhani","3. Chole Bhature","4. Kadai Paneer","5. Aloo Paratha","6. Chicken Leg Piece");
		$i = 2;
		foreach ($arr as $value) {
			if($i % 2) {
				echo "<br>" . $value;
			}
			$i++;
		}
		?>
	</div>
</body>
</html>
```

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Q10) Create an array of Milk Types and its price.

i.Display all the types and price.

ii. Sort the array by price and display.

iii. Sort the array by milk type and display

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```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Assignment 1 XT10</title>
	<link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
	<div class="box">
	<?php

		$milk = array ("Tazza" => 26, "Shakti" => 22, "Gold" => 30);
		echo "Sort by Price<br>";
		$pricesort = $procuct =  $milk;
		asort($pricesort);
		foreach($pricesort as $key=>$value)
		{
			echo $key . " : " . $value . "<br>";
		}
```

```
                echo "<br> Sort By Name <br>";

                ksort($procuct);
                foreach($procuct as $key=>$value)
                {
                        echo $key . " : " . $value . "<br>";
                }
        ?>
        </div>
</body>
</html>
```

****

Q11) Create a 2-D array which stores the distance between Source and Destination of five cities in KM. Allows user to chose source

and Destination from Drop Down list. The script should display correct distance between the two cities.

****

```
<!DOCTYPE html>
<html lang="en">
<head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Assignment 1 XT11</title>
        <link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
```

```
      <div class="box">
<form method="POST">
 <div>
  <select name = "cityA">
     <option value = 0>Navsari</option>
     <option value = 1>Surat</option>
     <option value = 2>Ahmedabad</option>
     <option value = 3>Kutchh</option>
     <option value = 4>Mumbai</option>
   </select>

   <select name = "cityB">
     <option value = 0>Navsari</option>
     <option value = 1>Surat</option>
     <option value = 2>Ahmedabada</option>
     <option value = 3>Kutchh</option>
     <option value = 4>Mumbai</option>
   </select>
  </div>
  <div>
     <input type="submit" value="Submit" name="submit" class="submit">
  </div>
</form>
<?php
 if(isset($_POST['submit'])) {
  $cityA = $_POST['cityA'];
  $cityB = $_POST['cityB'];
  $city = array (
    "Navsari",
    "Surat",
    "Ahmedabad",
```

```
  "Kutchh",
  "Mumbai"
 );

 $distance = array (
  array (0, 40, 398, 733, 426),
  array (40, 0, 358, 693, 466),
  array (398, 358, 0, 362, 850),
  array (733, 693, 362, 0, 1162),
  array (426, 466, 850, 1162, 0)
 );

 $result = $distance[$cityA][$cityB];
 print "<h3>The distance between ";
 print "$city[$cityA] to $city[$cityB]";
 print " is $result Kms.</h3>";
}
?>
    </div>
</body>
</html>
```

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Q12) Create a 2-D array which stores card types ('C','H','D','S') and rank (2,3,4,5,6,7,8,9,10, J, Q,K,A). Each type has 13 ranks.

Display total cards by their type and rank in ascending and descending order. Then shuffle it and display the cards.

****

```
<?php
   $cards = array(
array("C_A","C_K","C_Q","C_J","C_10","C_9","C_8","C_7","C_6","C_5","C_4","C_3","C_2"),

array("H_A","H_K","H_Q","H_J","H_10","H_9","H_8","H_7","H_6","H_5","H_4","H_3","H_2"),

array("D_A","D_K","D_Q","D_J","D_10","D_9","D_8","D_7","D_6","D_5","D_4","D_3","D_2"),
                array("S_A","S_K","S_Q","S_J","S_10","S_9","S_8","S_7","S_6","S_5","S_4","S_3","S_2")
   );
   echo "Decending Order";
   echo "<table border='1px'>";
   for( $i = 0; $i < 4; $i++ )
   {
      echo "<tr>";
      for( $j = 0; $j < 13; $j++ )
      {
         echo "<td>";
         echo $cards[$i][$j];
         echo "</td>";
      }
      echo "</tr>";
   }
   echo "</table> <br>";

   echo "Accending Order";
   echo "<table border='1px'>";
   for( $i = 3; $i >= 0; $i-- )
   {
      echo "<tr>";
      for( $j = 12; $j >= 0; $j-- )
      {
         echo "<td>";
```

```
            echo $cards[$i][$j];
            echo "</td>";
        }
        echo "</tr>";
    }
    echo "</table> <br>";

    echo "After Shuffle";
    echo "<table border='1px'>";
    shuffle($cards);
    for( $i = 0; $i < 4; $i++ )
    {
        echo "<tr>";
      for( $j = 0; $j < 13; $j++ )
      {
            shuffle($cards);
            shuffle($cards[0]);
            while( $cards[$i][$j] == "" )
            {
               shuffle($cards);
               shuffle($cards[0]);
            }
            echo "<td>";
            echo $cards[$i][$j];
            echo "</td>";
            $cards[$i][$j] = "";
      }
      echo "</tr>";
    }
    echo "</table>";
?>
```

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Q13) Load the student's details from studinfo.txt to an array and display all students information in tabular format

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****

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Assignment 1 XT13</title>
</head>
<body>
	<?php
	$i = 0;
	if(file_exists("files/studinfo.txt")) {
		$f1Handle = @fopen("files/studinfo.txt", "rb");

		$fn = fopen("files/studinfo.txt","r");
		while(! feof($fn))  {
			$array[$i++] = fgets($fn);
		}
		fclose($fn);
		echo '<table border="1" style="border: solid 3px #808080;">';
		while($i--) {
			echo "<tr>";
			echo "<td>";
			echo $array[$i];
```

```
                    echo "</td>";
                    echo "</tr>";
                }
                echo "</table>";
                fclose($f1Handle);
        } else {
                echo "No such File Exists";
        }
        ?>
</body>
</html>
```

****

Q14) Create an array and apply following functions and display the results:

i. each ii. Current iii. Reset iv. End v. pos vi. Prev vii. array_walk viii. Count ix. Sizeof x. array_count_values xi. Extract

****

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Assignment 1 XT14</title>
  <link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
  <div class="box">
  <?php
    function number($value,$key)
```

```
{
    echo "<br>The $key called $value ";
}
    $arr = array("1"=>"one","2" => "two","3" => "three","4" => "four","5" => "five");
    $temp = "hello";
    $temparr = array("temp" => "Morning", "temp2" => "Night", "temp3" => "Evening");

    echo "<table border = '1'>";
    echo "<tr><td>Each : </td><td>";
    print_r (each($arr));

    echo "</td></tr> <br> <tr><td>Current : </td><td>" . current($arr) . "</td></tr>";

    echo "<br> <tr><td> Reset : </td><td>" . reset($arr). "</td></tr>";

    echo "<br> <tr><td> End : </td><td>" . end($arr). "</td></tr>";

    echo "<br> <tr><td> POS : </td><td>" . pos($arr). "</td></tr>";

    echo "<br> <tr><td> Prev : </td><td>" . prev($arr) . "<br><tr><td>Array_Walk : </td><td>";

    echo "</td></tr> <br> <tr><td> Array_walk Return : </td><td>" .
array_walk($temparr,"number"). "</td></tr>";

    echo "<br> <tr><td> Count : </td><td>" . count($arr). "</td></tr>";

    echo "<br> <tr><td>Sizeof : </td><td>" . sizeof($arr) . "</td></tr> <br>
<tr><td>Array_count_values : </td><td>";

    print_r  (array_count_values($arr));
    echo "</td></tr>";
```

```
        extract($temparr);
        echo "<br> <tr><td>Extract : </td><td>" . $temp . "</td></tr></table>";
      ?>
  </div>
</body>
</html>
```

****

Q15) Write a simple php script which evalutes following string functions and display the output:

i. ltrim ii. Rtrim iii. Trim iv. Str_pad v. Lcfist vi. Ucfirst vii. Ucwords viii.ucfirst ix. Strtolower x. Strtoupper xi. Strrev

xii. Str_shuffle xiii. Str_repeat xiv. Explode xv. Implode xvi. Strcmp xvii. Strcasecmp xviii. Strcasecmp xix. Strnatcmp xx. Strnatcasecmp

xxi. Strlen xxii. Strstr xxiii. Strchr xxiv. Strrchr xxv. Stristr xxvi. Strpos xxvii. Strrpos xxviii. Str_replace xxix. Subbstr_replace

****

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Assignment 1 XT15</title>
</head>
<body>
<?php

$str = "pradip karmakar";
echo "<center>";
echo '<table border = 1 >';
```

```
echo "<tr><td>";
echo "trim ";
echo "</td><td>";
echo trim($str,"kar");
echo "</td></tr>";

echo "<tr><td>";
echo "rtrim ";
echo "</td><td>";
echo rtrim($str,"kar");
echo "</td></tr>";

echo "<tr><td>";
echo "ltrim ";
echo "</td><td>";
echo ltrim($str,"pra");
echo "</td></tr>";

echo "<tr><td>";
echo "STR_PAD_LEFT ";
echo "</td><td>";
echo str_pad($str, 30, "*", STR_PAD_LEFT);
echo "</td></tr>";

echo "<tr><td>";
echo "STR_PAD_BOTH ";
echo "</td><td>";
echo str_pad($str, 30, "*", STR_PAD_BOTH);
echo "</td></tr>";
```

```
echo "<tr><td>";
echo "STR_PAD";
echo "</td><td>";
echo str_pad($str, 30, "*");
echo "</td></tr>";

echo "<tr><td>";
echo "lcfirst(Lower case)";
echo "</td><td>";
echo lcfirst("Hey siri!");
echo "</td></tr>";

echo "<tr><td>";
echo "ucfirst(Upper case)";
echo "</td><td>";
echo ucfirst("hey siri !");
echo "</td></tr>";

echo "<tr><td>";
echo "ucwords";
echo "</td><td>";
echo ucwords("Hey siri !");
echo "</td></tr>";


echo "<tr><td>";
echo "Strtolower";
echo "</td><td>";
echo Strtolower($str);
echo "</td></tr>";
```

```
echo "<tr><td>";
echo "strtoupper";
echo "</td><td>";
echo strtoupper($str);
echo "</td></tr>";


echo "<tr><td>";
echo "strrev";
echo "</td><td>";
echo strrev($str);
echo "</td></tr>";

echo "<tr><td>";
echo "str_shuffle (ymmv)";
echo "</td><td>";
echo str_shuffle($str);
echo "</td></tr>";

echo "<tr><td>";
echo "str_repeat";
echo "</td><td>";
echo str_repeat(" P.J.D.A ", 5);
echo "</td></tr>";

$str2 = "Hello World Its Pradip Karmakar";
echo "<tr><td>";
echo "explode";
echo "</td><td>";
print_r(explode(' ', $str2, 1));
```

```
echo "</td></tr>";

$arr = array('Hello','Wolrd','Its','Pradip','Karmakar');
echo "<tr><td>";
echo "implode";
echo "</td><td>";
echo implode("<b>+</b>", $arr);
echo "</td></tr>";

echo "<tr><td>";
echo "strcmp";
echo "</td><td>";
echo strcmp("Pradip","pradip");
echo "</td></tr>";

echo "<tr><td>";
echo "strcasecmp";
echo "</td><td>";
echo strcasecmp("Pradip","pradip");
echo "</td></tr>";

echo "<tr><td>";
echo "strlen";
echo "</td><td>";
echo strlen("Pradip Karmakar");
echo "</td></tr>";

echo "<tr><td>";
echo "strstr";
echo "</td><td>";
echo strstr("Pradip Karmakar", " ");
```

```
echo "</td></tr>";

echo "<tr><td>";
echo "stristr";
echo "</td><td>";
echo stristr("Pradip Karmakar", " K");
echo "</td></tr>";

echo "<tr><td>";
echo "strrstr(true)";
echo "</td><td>";
echo strchr("Hello world world!","world",true);
echo "</td></tr>";

echo "<tr><td>";
echo "strchr";
echo "</td><td>";
echo strchr("Hello world world!","world");
echo "</td></tr>";

echo "<tr><td>";
echo "strrchr";
echo "</td><td>";
echo strrchr("Hello world world!","world");
echo "</td></tr>";


echo "<tr><td>";
echo "strpos";
echo "</td><td>";
echo strpos("Ajinkya php, php","php");
```

```
echo "</td></tr>";

echo "<tr><td>";
echo "strrpos";
echo "</td><td>";
echo strrpos("Ajinkya php, php","php") . "<br>";
echo "</td></tr>";


echo "<tr><td>";
echo "substr_replace";
echo "</td><td>";
echo substr_replace("Bobby", 'bob', 0) . "<br>";
echo "</td></tr>";



echo "<tr><td>";
echo "str_replace";
echo "</td><td>";
echo str_replace("Pradip", "Supriya", "Pradip Karmakar") . "<br>";
echo "</td></tr>";

echo "</table>";
echo "</center>";

?>
</body>
</html>
**********************************************************************************
**********************************************
```

Q16) Write a php script which ask user to enter username and password. Validate the username by that

a. username only includes alphanumeric characters only.

b. Username must begin with character only

The password

a. Must contain at least one punctuation mark.

b. Must contain at least one digit

****

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Assignment 1 XT16</title>
   <link rel="stylesheet" type="text/css" href="main.css">
</head>
<body>
   <div class="box">
      <form method="POST">
         <div>
            <input type="text" placeholder="Enter Your Name" name="uname" autocomplete="off" required>
         </div>
         <div>
            <input type="text" placeholder="Enter Your Password" name="pass" autocomplete="off" required>
         </div>
         <div>
            <input type="submit" name="submit" class="submit" value="check">
```

```
        </div>
      </form>
      <?php
        if(isset($_POST['submit']))
        {
          if(preg_match("/^[A-Za-z]+[A-Za-z0-9]/", $_POST["uname"]) === 0)
          {
            echo"Invalid format in UserName";
            die();
          }
          else{
            if(preg_match("/[a-zA-Z0-9]+[?!0-9]/", $_POST['pass']) == 0)
            {
              echo"Invalid format Of password";
              die();
            }
            else{
              echo "Username = " . $_POST['uname'] . "<br> Password = " .  $_POST['pass'] ;
            }
          }
        }
      ?>
    </div>
</body>
</html>
```

****

****

****
****

Name: Pradip S Karmakar

Roll-no: 10

Class: MCA 2

Subject: Web Application Development (WAD)

****
****

Assignment - 2

****
****

****
****

1) Write a PHP script which allows user to enter product code, product name, product price and discount percentage. The program

must use a function to calculate discounted amount calculate net pay amount.

****
****

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Assignment 2 XT1</title>
   <link rel="stylesheet" href="main.css">
</head>
<body>
   <div class="box">
      <form method="POST">
```

```
        <div>
            <input type="text" name="pcode" placeholder="Product Code" required>
        </div>
        <div>
            <input type="text" name="pname" placeholder="Product Name" required>
        </div>
        <div>
            <input type="number" name="price" min="1" placeholder="Product Price" required>
        </div>
        <div>
            <input type="number" name="discount" min="0" max="100" placeholder="Product
Discount" required>
        </div>
        <div>
            <input type="submit" name="submit" value="Calculate" class="submit">
        </div>
    </form>
    <?php
        function calculate($pr,$d)
        {
            $netpay = ($pr*$d)/100;
            $netpay = $pr - $netpay;

            echo "<br> PRODUCT PRICE : $pr";
            echo "<br> DISCOUNT : $d%";
            echo "<br> NET BILL : $netpay";
        }

        if(isset($_POST['submit']))
        {
            $pc = $_POST['pcode'];
```

```
        $pn = $_POST['pname'];
        $pr = $_POST['price'];
        $d = $_POST['discount'];
        echo "<br> PRODUCT CODE : $pc";
        echo "<br> PRODUCT NAME : $pn";
        calculate($pr,$d);
      }
    ?>
  </div>
</body>
</html>
```

****

Q2) Write a PHP script file which make your pages have the same look. [Hint: use require]

****

```
<?php
        echo " <h2>This is Practical 2 but Same look as below practical - 1 </h2> ";
        require 'XT1.php';
?>
```

OUTPUT :

This is Practical 2 but Same look as below practical - 1

Product Details

Product code : 101

Product Name : Bag

Product Price : 670

Product Discount : (In %) 15

Product Discount amount is 100.5.

Net pay amount for Product 569.5.

****
****

3) Write a PHP function which ask the user number of tickets to be booked. The function get the no. of booked tickets and create

a table based on that which have exactly same rows as number entered by user. The value for rows are booked ticket numbers

****
****

****

ticket.php

****

```
<?php
	echo "<form method='post' action='ticket.php'>";
	echo "<br>Enter Total Number of Movie Ticket : ";
	echo "<input type = 'number' name='txt' >";
	echo "<br> <input type='submit' name='submit' value='Book Ticket' > <br> <br>";

	if(isset($_POST['submit']))
	{
		function ticket($n)
		{
			echo "<table border='1'>";
			echo "<tr>";
			echo "<th> No. </th>";
```

```
                    echo "<th> Ticket </th>";
                    echo "</tr>";
                    for($i=1;$i <= $n;$i++)
                    {
                        echo "<tr>";
                        echo "<td> $i </td>";
                        echo "<td>  A ". $i ."</td>";
                        echo "</tr>";
                    }

                    echo "</table>";
                }

                $n = $_POST['txt'];
                ticket($n);
        }

        echo "</form>";
?>
```

****

Q4) Write a function which takes 5 number of input as array from user. Then calculate total and average and display total and average

of the 5 numbers.[Hint: use & to return multiple values]

****

****

average.php

****

```php
<?php

	echo "<form method='post' action='average.php'>";
	echo "<br> Enter Total Number : ";
	echo "<input type='number' name='num' >";
	echo "<br> <input type='submit' name='submit' value='submit'> <br> <br>";

	if(isset($_POST['submit']))
	{
		$n = $_POST['num'];
		echo "<table>";

		for($i=1;$i<=$n;$i++)
		{
			echo "<tr>";
			echo "<td> Enter $i Number : </td>";
			echo "<td> <input type='number' name='val[]' required> </td>";
			echo "</tr>";
		}

		echo "</table>";
		echo "<br> <input type='submit' name='submit1' value='Calculate'> <br> <br>";

	}

	if(isset($_POST['submit1']))
		{
			$t=0;
			$avg=0;
```

```
                function calculate($arr,&$t,&$avg)
                {
                        echo "<br> Values : ";
                        foreach($arr as $value)
                        {
                                echo "<br> $value";
                                $t = $t + $value;
                                $avg = $avg + 1;
                        }
                }

                $arr = $_POST['val'];
                calculate($arr,$t,$avg);

                $avg = $t/$avg;
                echo "<br> Total = $t";
                echo "<br> Average = $avg";
        }

    echo "</form>";
?>
```

****

Q5) Write a program to calculate factorial value by using recursive function. The value must be entered by user.

****

****

recursion.php

****

```
<?php

	echo "<form method='post' action='recursion.php'>";

	echo "<br> Enter Number : ";
	echo "<input type='number' name='num' required>";
	echo "<br> <input type='submit' name='submit' value='submit'> <br>";

	if(isset($_POST['submit']))
	{

		function fact($n)
		{
			$i;
			if($n==1)
			{
				$i=1;
				return $i;
			}
			else if($n==2)
			{
				$i=2;
				return $i;
			}
			else
			{
				$i=$n*fact($n-1);
			}
```

```
                return   $i;
        }

        $n = $_POST['num'];

        $ans=0;
        $ans=fact($n);
        echo "<br> FACTORIAL = $ans";
    }

    echo "</form>";
?>
```

****

Q6) Create a class Vehicle having attributes VID, ModelNo and Mileage(per litere). Write operations to calculate cost per Km by

asking price of fuel from user. Implement all the attributes and operations for the class.

****

****

vehicle.html

****

```
<html>
<head>
</head>
<body>
    <form method="post" action="vehicle.php">
    <table>
```

```
        <tr>
                <td>  Enter Vehicle ID : </td>
                <td> <input type='text' name='vid' required> </td>
        </tr>

        <tr>
                <td> Enter Model No : </td>
                <td> <input type='text' name='model' required> </td>
        <tr>

        <tr>
                <td> Enter Mileage : " </td>
                <td> <input type='number' name='mil' required> </td>
        </tr>

        <tr>
                <td> Enter Fuel Price : " </td>
                <td> <input type='number' name='fuel' required> </td>
        </tr>

        <tr>
                <td> <input type='submit' name='submit' value="submit" > </td>
                <td> <input type='reset' name='reset' value="reset" > </td>
        <tr>

        </table>
        </form>
</body>
</html>
```

```
****************************************
        vehicle.php
****************************************

<?php

class vehicle
{
        private
                $vid,$modelno,$mileage;
        public
                function __construct($vid1,$model1,$mi1)
                {
                        $this->vid = $vid1;
                        $this->modelno = $model1;
                        $this->mileage = $mi1;
                }
                function display($f)
                {
                        echo "<br> Vehicle ID : ".$this->vid;
                        echo "<br> Model No : ".$this->modelno;
                        echo "<br> Mileage : ".$this->mileage;
                        echo "<br> Fuel/Ltr : ".$f;

                        echo "<br> RS per KM : ".($f/$this->mileage);

                }
};

$vid = $_POST['vid'];
```

```
$model = $_POST['model'];

$mi = $_POST['mil'];

$f = $_POST['fuel'];


$v = new vehicle($vid,$model,$mi);

$v -> display($f);


?>
```

****
****

Q7) Create a class Car which is child class of the class Vehicle. Add the operation maintenance for car class. The maintenance class has a property to calculate

cost to maintain a car in good condition for a month. Write a function which provides the total maintenance cost of a car for the year.

****
****
****

vehicle.html

****

```
<html>

<head>

</head>

<body>

	<form method="post" action="vehicle.php">

	<table>

	<tr>

		<td>  Enter Vehicle ID : </td>

		<td> <input type='text' name='vid' required> </td>
```

```
</tr>

<tr>
        <td> Enter Model No : </td>
        <td> <input type='text' name='model' required> </td>
<tr>

<tr>
        <td> Enter Mileage :  </td>
        <td> <input type='number' name='mil' required> </td>
</tr>

<tr>
        <td> Enter Car Number :  </td>
        <td> <input type='text' name='cno' required> </td>
</tr>

<tr>
        <td> Enter Car Name :  </td>
        <td> <input type='text' name='cname' required> </td>
</tr>

<tr>
        <td> Enter Car Maintenence per Month :  </td>
        <td> <input type='number' name='cost' required> </td>
</tr>

<tr>
        <td> <input type='submit' name='submit' value="submit" > </td>
        <td> <input type='reset' name='reset' value="reset" > </td>
<tr>
```

```
        </table>
        </form>
</body>
</html>
```

****

vehicle.php

****

```
<?php

class vehicle
{
        private
                $vid,$modelno,$mileage;
        public
                function __construct($vid1,$model1,$mi1)
                {
                        $this->vid = $vid1;
                        $this->modelno = $model1;
                        $this->mileage = $mi1;
                }
                function display()
                {
                        echo "<br> Vehicle ID : ".$this->vid;
                        echo "<br> Model No : ".$this->modelno;
                        echo "<br> Mileage : ".$this->mileage;
                }
};
```

```
class car extends vehicle
{
	private
		$carno,$carname;
	public
		function __construct($vid,$modelno,$mil,$carno,$cname)
		{
			$this->carno = $carno;
			$this->carname = $cname;

			parent :: __construct($vid,$modelno,$mil);
		}
		function display()
		{
			parent :: display();

			echo "<br> <br> CAR Number : ".$this->carno;
			echo "<br> CAR NAME : ".$this->carname;
		}
};

class maintenence extends car
{
	private
		$cost;
	public
		function __construct($vid,$modelno,$mil,$carno,$cname,$cost)
		{
			$this->cost = $cost;
			parent :: __construct($vid,$modelno,$mil,$carno,$cname);
```

```
		}
		function display()
		{
			parent :: display();

			echo "<br> <br> MONTHLY MAINTENENCE : ".$this->cost;
			echo "<br> YEARLY MAINTENENCE : ".($this->cost*12);
		}
};

$vid = $_POST['vid'];
$modelno = $_POST['model'];
$mil = $_POST['mil'];
$carno = $_POST['cno'];
$cname = $_POST['cname'];
$cost = $_POST['cost'];

$m = new maintenence($vid,$modelno,$mil,$carno,$cname,$cost);
$m -> display();

?>
```

****

Q8) Using question 6,7 take input from user for three cars maintenance. Add these records into text file. Calculate most

economical car and display car details.

****

```
		<!DOCTYPE html>
		<html>
```

```
<head>
	<title>Practical-8</title>
</head>
<body>
	<h2>Find Best Economical Car</h2>
	<form action="" method="post">
		<?php
			for($i=1;$i<=3;$i++)
				echo "<label>Enter Car $i maintanance :
</label><input type='text' name=car$i><br><br/>";
			?>
		<input type="submit" name="submit" value="Find">
	</form>
</body>
</html>
<?php
	if(isset($_POST['submit'])){
		extract($_POST);
		class Vehical
		{
			private $vid,$modelno,$milage;
			public function __construct($vid=0,$modelno='',$milage=0){
				$this->vid = $vid;
				$this->modelno = $modelno;
				$this->milage = $milage;
			}
			public function getvid(){return $this->vid;		}
			public function setvid($value){	$this->vid = $value;	}
			public function getmodelno(){	return $this->modelno; }
			public function setmodelno($value){	$this->modelno =
$value; }
			public function getmilage(){	return $this->milage;	}
```

```
                    public function setmilage($value){          $this->milage =
$value; }

                    public function totalCost($cost){
                        return $cost/$this->milage;
                    }
                }
                class Car extends Vehical
                {
                    public function __construct($vid=0,$modelno='',$milage=0){
                        parent::__construct($vid,$modelno,$milage);
                    }
                    public function MaintainanceCost($maintain){
                        return 12*$maintain;
                    }
                }
                $obj1 = new Car("101","PKC101",50,$car1);
                $obj2 = new Car("102","PKC102",30,$car2);
                $obj3 = new Car("103","PKC103",70,$car3);
                $c1 = $obj1->MaintainanceCost($car1);
                $c2 = $obj2->MaintainanceCost($car2);
                $c3 = $obj3->MaintainanceCost($car3);
                if($c1 <= $c2 && $c1 <= $c3){
                    echo $obj1->getmodelno()." is best car.";
                }
                else if($c2 <= $c1 && $c2 <= $c3){
                    echo $obj2->getmodelno()." is best car.";
                }
                else{
                    echo $obj3->getmodelno()." is best car.";

                }
            }
```

```
?>
```

****

Q9) Make Exception handling for Question No. 8.

****

```
<!DOCTYPE html>
<html>
	<head>
		<title>Practical-8</title>
	</head>
	<body>
		<h2>Find Best Economical Car</h2>
		<form action="" method="post">
			<?php
				for($i=1;$i<=3;$i++)
					echo "<label>Enter Car $i maintanance :
</label><input type='text' name=car$i><br><br/>";
				?>
			<input type="submit" name="submit" value="Find">
		</form>
	</body>
</html>
<?php
	if(isset($_POST['submit'])){
		extract($_POST);
		class Vehical
```

```
{
        private $vid,$modelno,$milage;
        public function __construct($vid=0,$modelno='',$milage=0){
                $this->vid = $vid;
                $this->modelno = $modelno;
                $this->milage = $milage;
        }
        public function getvid(){return $this->vid;          }
        public function setvid($value){   $this->vid = $value;       }
        public function getmodelno(){    return $this->modelno; }
        public function setmodelno($value){      $this->modelno =
$value; }
        public function getmilage(){       return $this->milage;     }
        public function setmilage($value){         $this->milage =
$value; }
        public function totalCost($cost){
                return $cost/$this->milage;
        }
}
class Car extends Vehical
{
        public function __construct($vid=0,$modelno='',$milage=0){
                parent::__construct($vid,$modelno,$milage);
        }
        public function MaintainanceCost($maintain){
                return 12*$maintain;
        }
}
try{
        $obj1 = new Car("101","PKC101",50,$car1);
        $obj2 = new Car("102","PKC102",30,$car2);
        $obj3 = new Car("103","PKC103",70,$car3);
```

```
                $c1 = $obj1->MaintainanceCost($car1);
                $c2 = $obj2->MaintainanceCost($car2);
                $c3 = $obj3->MaintainanceCost($car3);
                if($c1 <= $c2 && $c1 <= $c3){
                        echo $obj1->getmodelno()." is best car.";
                }
                else if($c2 <= $c1 && $c2 <= $c3){
                        echo $obj2->getmodelno()." is best car.";
                }
                else{
                        echo $obj3->getmodelno()." is best car.";

                }
        }
        catch(Exception $e)
        {
        echo "Error: ".$e->getMessage();
        }
    }
?>
```

****

Q10) Write an PHP script which allows user to enter product Name, Quantity and Price. Based on the price and quantity calculate cost for each

item and total cost. Make validation that the Quantity and Price must not be blanks and they are must be >=0. If any user enter violates the rule,

make appropriate exception handling.

```
**********************************************************************************
*********************************************
```

```
<!DOCTYPE html>
<html>
    <head>
        <title>Practical-10</title>
    </head>
    <body>
        <form action="" method="post">
            <label>Product Name : </label>
            <input type="text" name="p_name">
            <br/>
            <label>Quantity :  </label>
            <input type="text" name="p_quantity" required>
            <br/>
            <label>Price :  </label>
            <input type="text" name="p_price" required>
            <br/>
            <input type="submit" name="submit" value="Calculate
cost">
        </form>
    </body>
</html>
<?php
    if (isset($_POST['submit'])) {
        extract($_POST);
        if($p_quantity > 0 && $p_price > 0)
        {
            $total = $p_quantity*$p_price;
            echo "cost for product is <b> $p_price </b><br>";
            echo "total cost for product is <b> $total </b>";
```

```
                    }
                    else if($p_quantity == 0)
                        echo "Enter valid quantity!!!!!";
                    else if($p_price == 0)
                        echo "Enter valid price!!!!!";
                    }
                }
            ?>
```

****

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****
****

****
****

Name: Pradip S Karmakar

Roll-no: 10

Class: MCA 2

Subject: Web Application Development (WAD)

****
****

****
****

1) Create tables described below:-

a)Table name: client_master

Description: Used to store client information

CREATE TABLE `assignment 3`.`client_master` (`client_no` VARCHAR(6) NOT NULL , `name` VARCHAR(20) NOT NULL , `address1` VARCHAR(30) NULL DEFAULT NULL ,

`address2` VARCHAR(30) NULL DEFAULT NULL , `city` VARCHAR(15) NULL DEFAULT NULL , `pincode` INT(8) NULL DEFAULT NULL , `state` VARCHAR(15) NULL DEFAULT NULL ,

`bal_due` INT(10,2) NULL DEFAULT NULL , PRIMARY KEY (`client_no`(6))) ENGINE = InnoDB;

b)Table name: product_master

Description: Used to store product information

CREATE TABLE `assignment 3`.`product_master` (`product_no` VARCHAR(6) NOT NULL , `description` VARCHAR(15) NOT NULL , `profit_percent` DOUBLE(4,2) NOT NULL ,

`unit_measure` VARCHAR(10) NOT NULL , `qty_no_hand` INT(8) NOT NULL , `reorder_lvl` INT(8) NOT NULL , `sell_price` DOUBLE(8,2) NOT NULL , `cost_price` DOUBLE

(8,2) NOT NULL , PRIMARY KEY (`product_no`(6)) COMMENT 'first letter must start with p') ENGINE = InnoDB;

c)Table name: salesman_master

Description: Used to store salesman working for the company.

```
CREATE TABLE IF NOT EXISTS `salesman_master` (
                `salesman_no` varchar(6) NOT NULL,
                `salesman_name` varchar(20) NOT NULL,
                `address1` varchar(30) DEFAULT NULL,
                `address2` varchar(30) DEFAULT NULL,
                `city` varchar(20) DEFAULT NULL,
                `pincode` varchar(8) DEFAULT NULL,
                `state` varchar(20) NOT NULL,
                `sal_amt` int(8) NOT NULL,
                `tgt_to_get` int(8) NOT NULL,
                `ytd_sales` int(8) NOT NULL,
                `remarks` varchar(60) DEFAULT NULL,
                PRIMARY KEY (`salesman_no`)
               );
```

d)Table name:sale_order

Description: Used to store client's orders

```
CREATE TABLE IF NOT EXISTS `sale_order` (
                `order_no` varchar(6) NOT NULL,
                `order_date` date NOT NULL,
                `client_no` varchar(6) NOT NULL,
                `dely_addr` varchar(25) NOT NULL,
                `salesman_no` varchar(6) NOT NULL,
                `dely_type` char(1) NOT NULL DEFAULT 'F',
```

```
  `billed_yn` char(1) NOT NULL,
  `dely_date` date NOT NULL,
  `order_status` varchar(10) NOT NULL,
  PRIMARY KEY (`order_no`),
  KEY `client_no` (`client_no`),
  KEY `salesman_no` (`salesman_no`)
);
```

ALTER TABLE `sale_order` ADD FOREIGN KEY (`client_no`) REFERENCES `client_master`(`client_no`) ON DELETE RESTRICT ON UPDATE RESTRICT; ALTER TABLE `sale_order`

ADD FOREIGN KEY (`salesman_no`) REFERENCES `salesman_master`(`salesman_no`) ON DELETE RESTRICT ON UPDATE RESTRICT;

e)Table Name: sale_order_details

Description: Used to store client's orders with details of each product ordered.

```
CREATE TABLE IF NOT EXISTS `sales_order_details` (
  `order_no` varchar(6) NOT NULL,
  `product_no` varchar(6) NOT NULL,
  `qty_ordered` int(8) NOT NULL,
  `qty_disp` int(8) NOT NULL,
  `product_rate` int(10) NOT NULL,
  KEY `order_no` (`order_no`),
  KEY `product_no` (`product_no`)
);
```

ALTER TABLE `sales_order_details`

ADD CONSTRAINT `sales_order_details_ibfk_2` FOREIGN KEY (`product_no`) REFERENCES `product_master` (`product_no`),

ADD CONSTRAINT `sales_order_details_ibfk_1` FOREIGN KEY (`order_no`) REFERENCES `sale_order` (`order_no`);

****
****

2) Insert the following data into their respective tables:

a) Data for client_master table:

```
INSERT INTO `client_master` (`client_no`, `Name`, `Address1`, `Address2`, `City`, `Pincode`, `State`, `Bal_due`) VALUES
        ('C00001', 'Ivan Bayross', '', '', 'Bombay', 400054, 'Maharashtra', 15000),
        ('C00002', 'Vandana Saitwal', '', '', 'Madras', 780001, 'Tamil Nadu', 0),
        ('C00003', 'Pramada Jaguste', '', '', 'BOmbay', 400057, 'Maharashtra', 5000),
        ('C00004', 'Basu Navindgi', '', '', 'Bombay', 400056, 'Maharshtra', 0),
        ('C00005', 'Ravi Shreedharan', '', '', 'Delhi', 100001, 'Delhi', 2000),
        ('C00006', 'Rukmini', '', '', 'Bombay', 400050, 'Maharashtra', 0);
```

b) Data for product_master table:

```
        INSERT INTO `product_master` (`product_no`, `description`, `profit_percent`, `unit_measure`, `qty_no_hand`, `reorder_lvl`, `sell_price`, `cost_price`) VALUES
        ('P00001', '1.44 Floppies', 5, 'Piece', 100, 20, 525, 500),
        ('P03453', 'monitors', 6, 'Piece', 10, 3, 12000, 11280),
        ('P06734', 'mouse', 5, 'Piece', 20, 5, 1050, 1000),
        ('P07865', '1.22 Floppies', 5, 'Piece', 20, 5, 525, 500),
        ('P07868', 'keyboards', 2, 'Piece', 10, 3, 3150, 3050),
        ('P07885', 'CD Drive', 3, 'Piece', 10, 3, 5250, 5100),
        ('P07965', '540 HHD', 4, 'Piece', 10, 3, 8400, 8000),
        ('P07975', '1.44 Drive', 5, 'Piece', 10, 3, 1050, 1000),
        ('P08865', '1.22 Drive', 5, 'Piece', 2, 3, 1050, 1000);
```

c) Data for salesman_master table:

```
INSERT INTO `salesman_master` (`salesman_no`, `salesman_name`, `address1`, `address2`, `city`, `pincode`, `state`, `sal_amt`, `tgt_to_get`, `ytd_sales`, `remarks`) VALUES
('S00001', 'Kiran', 'A/14', 'Worli', 'Bombay', '400002', 'Maharastra', 3000, 100, 50, 'Good'),
('S00002', 'Manish', '65', 'Nariman', 'Bombay', '400001', 'Maharastra', 3000, 200, 100, 'Good'),
('S00003', 'Ravi', 'P-7', 'Bandra', 'Bombay', '400032', 'Maharastra', 3000, 200, 100, 'Good'),
('S00004', 'Aashish', 'A/5', 'Juhu', 'Bombay', '400044', 'Maharastra', 3500, 200, 150, 'Good');
```

d) Data for sales_order table:

```
INSERT INTO `sale_order` (`order_no`, `order_date`, `client_no`, `dely_addr`, `salesman_no`, `dely_type`, `billed_yn`, `dely_date`, `order_status`) VALUES
('O19001', '1996-01-12', 'C00001', '', 'S00001', 'F', 'N', '1996-01-20', 'In Process'),
('O19002', '1996-01-25', 'C00002', '', 'S00002', 'P', 'N', '1996-01-27', 'Cancelled'),
('O19003', '1996-04-03', 'C00001', '', 'S00001', 'F', 'Y', '1996-05-22', 'Fulfilled'),
('O19008', '1996-05-24', 'C00005', '', 'S00004', 'F', 'N', '1996-05-26', 'In process'),
('O46865', '1996-02-18', 'C00003', '', 'S00003', 'F', 'Y', '1996-02-20', 'Fulfilled'),
('O46866', '1996-05-20', 'C00004', '', 'S00002', 'F', 'N', '1996-05-22', 'Cancelled');
```

e) Data for the sales_order_details table:

```
INSERT INTO `sales_order_details` (`order_no`, `product_no`, `qty_ordered`, `qty_disp`, `product_rate`) VALUES
('O19001', 'P00001', 4, 4, 525),
('O19001', 'P07965', 2, 1, 8400),
('O19001', 'P07885', 2, 1, 5250),
('O19002', 'P00001', 10, 0, 525),
('O46865', 'P07868', 3, 3, 3150),
('O46865', 'P07885', 3, 1, 5250),
('O46865', 'P00001', 10, 10, 520),
```

('O46865', 'P03453', 4, 4, 1050),

('O19003', 'P03453', 2, 2, 1050),

('O19003', 'P06734', 1, 1, 12000),

('O46866', 'P07965', 1, 0, 8400),

('O46866', 'P07965', 1, 0, 1050),

('O19008', 'P00001', 10, 5, 525),

('O19008', 'P07975', 5, 3, 1050);

****
****

3). Exercises computation on table data:

a) Find the name of all clients having ‘a’ as the second letter in their names

SELECT * FROM `client_master` where Name like '_a%'

client_no Name Address1 Address2 City PincodeState Bal_due

C00002 Vandana Saitwal Madras 780001 Tamil Nadu 0

C00004 Basu Navindgi Bombay 400056 Maharshtra 0

C00005 Ravi Shreedharan Delhi 100001 Delhi 2000

b) Find out the clients who stay in a city whose second letter is ‘a’.

SELECT * FROM `client_master` where City like '_a%'

client_no Name Address1 Address2 City PincodeState Bal_due

C00002 Vandana Saitwal
Madras 780001 Tamil Nadu 0

c) Find the list of all client who stay in ‘Bombay’ or ‘Delhi’.

SELECT * FROM `client_master` where City = 'Bombay' or City = 'Delhi'

client_no Name Address1 Address2 City
PincodeState Bal_due

C00001 Ivan Bayross
Bombay 400054 Maharashtra 15000

C00003 Pramada Jaguste
BOmbay 400057 Maharashtra 5000

C00004 Basu Navindgi
Bombay 400056 Maharshtra 0

C00005 Ravi Shreedharan
Delhi 100001 Delhi 2000

C00006 Rukmini
Bombay 400050 Maharashtra 0

d) Print the list of client whose bal_due is greater then value 10000.

SELECT * FROM `client_master` where Bal_due > '10000'

client_no Name Address1 Address2 City
PincodeState Bal_due

C00001 Ivan Bayross
Bombay 400054 Maharashtra 15000

e) Print the information from sales_oeder table for order placed in the month of January.

SELECT * FROM `sale_order`where month(order_date) = 1

order_no	order_date	client_no	dely_addr	salesman_no	dely_type	billed_yn	dely_date	order_status
O19001	1996-01-12	C00001 [->]		S00001 [->]	F	N	1996-01-20	In Process
O19002	1996-01-25	C00002 [->]		S00002 [->]	P	N	1996-01-27	Cancelled

f) Display the order information for client_no ‘C00001’ and ‘C00002’.

```
SELECT * FROM `sale_order` where client_no = 'C00001' or client_no = 'C00002'
```

order_no	order_date	client_no	dely_addr	salesman_no	dely_type	billed_yn	dely_date	order_status
O19001	1996-01-12	C00001 [->]		S00001 [->]	F	N	1996-01-20	In Process
O19002	1996-01-25	C00002 [->]		S00002 [->]	P	N	1996-01-27	Cancelled
O19003	1996-04-03	C00001 [->]		S00001 [->]	F	Y	1996-05-22	Fulfilled

g) Find products whose selling price is greater than 2000 and less than or equal to 5000.

```
SELECT * FROM `product_master` where sell_price between 2000 and 5000
```

product_no	description	profit_perecent	unit_measure	qty_no_hand	reorder_lvl	sell_price	cost_price
P07868	keyboards	2	Piece	10	3	3150	3050

h) Find products whose selling price is more than 1500. Calculate a new selling price as, original selling price * .15. Rename the new column in the above query as new_price.

```
SELECT *,sell_price*15 as new_price FROM `product_master`where sell_price >
1500
```

product_no description profit_perecent unit_measure qty_no_hand reorder_lvl sell_price cost_price new_price

P03453 monitors 6 Piece 10 3 12000 11280 180000

P07868 keyboards 2 Piece 10 3 3150 3050 47250

P07885 CD Drive 3 Piece 10 3 5250 5100 78750

P07965 540 HHD 4 Piece 10 3 8400 8000 126000

i) List the names, city and state of clients who are not in the state of 'Maharastra'.

```
SELECT name,city,state FROM `client_master` where state != 'Maharashtra'
```

Name City State

Vandana Saitwal Madras Tamil Nadu

Basu Navindgi Bombay Maharshtra

Ravi Shreedharan Delhi Delhi

j) Count the total number of orders.

```
SELECT count(*) as total_orders FROM `sale_order`
```

total_orders

6

k) Calculate the average price of all the products.

```
SELECT avg(sell_price) as average_price FROM `product_master`
```

average_price

3666.6667

l) Determine the maximum and minimum product prices. Rename the output as max_price and min_price respectively.

SELECT max(sell_price) as max_price,min(sell_price) as min_price FROM `product_master`

max_price	min_price
12000	525

m) Count the number of products having price greater than or equal to 1500.

SELECT count(sell_price) as 'price>=1500' FROM `product_master` where sell_price >= 1500

price>=1500
4

n) Find all the products whose qty_no_hand is less than recorder level.

SELECT * FROM `product_master` where qty_no_hand < reorder_lvl

product_no	description	profit_perecent	unit_measure	qty_no_hand	reorder_lvl	sell_price	cost_price
P08865	1.22 Drive	5	Piece	2	3	1050	1000

****

4). Exercise on Date Manipulation:

a) Display the order number and day on which clients placed their order.

```
SELECT order_no,day(order_date) as Day FROM `sale_order`
```

order_no	Day
O19001	12
O19002	25
O19003	3
O19008	24
O46865	18
O46866	20

b) Display the month (in alphabets) and date when the order must be delivered.

```
SELECT order_no,dely_date,MONTHName(dely_date) as Month FROM `sale_order`
```

order_no	dely_date	Month
O19001	1996-01-20	January
O19002	1996-01-27	January
O19003	1996-05-22	May
O19008	1996-05-26	May
O46865	1996-02-20	February
O46866	1996-05-22	May

c) Display the order_date in the format ‘DD-Month-yy’. e.g. 12-February-96.

```
SELECT order_no,DATE_FORMAT(order_date,'%d-%M-%y') as Date FROM
`sale_order`
```

order_no	Date
O19001	12-January-96

O19002	25-January-96
O19003	03-April-96
O19008	24-May-96
O46865	18-February-96
O46866	20-May-96

d) Find the date, 15 days after today's date

.

```
select DATE_ADD(NOW(),INTERVAL 15 DAY) as '15 Days after Date'
```

15 Days after Date
2018-12-05 00:09:51

e) Find the number of days elapsed between today's date and the delivery date of the orders placed by the clients.

```
SELECT DATEDIFF(NOW(),dely_date) as Duration from sale_order
```

Duration
8349
8342
8226
8222
8318
8226

****

5). Exercise on using Having and Group By Clauses:

a) Print the description and total qty sold for each product.

SELECT p.product_no,description,sum(qty_ordered) as qty_sold FROM sales_order_details as s, product_master as p where p.product_no = s.product_no group by p.product_no

product_no	description	qty_sold
P00001 [->]	1.44 Floppies	34
P03453 [->]	monitors	6
P06734 [->]	mouse	1
P07868 [->]	keyboards	3
P07885 [->]	CD Drive	5
P07965 [->]	540 HHD	4
P07975 [->]	1.44 Drive	5

b) Find the value of each product sold.

SELECT p.product_no,sum(sell_price*qty_ordered) as Total_value FROM sales_order_details as s, product_master as p where p.product_no = s.product_no group by p.product_no

product_no	Total_value
P00001 [->]	17850
P03453 [->]	72000
P06734 [->]	1050
P07868 [->]	9450
P07885 [->]	26250
P07965 [->]	33600
P07975 [->]	

c) Calculate the average qty sold for each client that has a maximum order value of 15000.00.

SELECT o.client_no,avg(qty_ordered) as avg_qty_sold FROM sales_order_details as s, sale_order as o where o.order_no = s.order_no and qty_ordered*product_rate <= 15000 group by o.client_no

client_no	avg_qty_sold
C00001	2.2500
C00002	10.0000
C00003	5.6667
C00004	1.0000
C00005	7.5000

d) Find out the sum total of all the billed orders for the month of January.

SELECT sum(qty_ordered*product_rate) as total_of_january FROM sales_order_details as s, sale_order as o where month(order_date) = 1

total_of_january
206600

****

6). Exercise on Joins and Correlation:

a) Find out the products, which have been sold to ‘Ivan Bayross’.

SELECT description as 'Ivan Bayross\'s prodcts' FROM sale_order as o, client_master as c, sales_order_details as s,product_master as p where p.product_no = s.product_no and o.order_no = s.order_no and c.client_no = o.client_no and c.Name = 'Ivan Bayross' group by p.product_no

Ivan Bayross's prodcts
1.44 Floppies

540 HHD

CD Drive

monitors

mouse

b) Find out the products and their quantities that will have to be delivered in the current month.

SELECT description,sum(qty_ordered) FROM sale_order as o, sales_order_details as s,product_master as p where o.order_no = s.order_no and s.product_no = p.product_no and month(dely_date) = 5 group by o.order_no

description	sum(qty_ordered)
monitors	3
1.44 Floppies	15
540 HHD	2

c) Find the product_no and description of constantly sold i.e. rapidly moving products.

SELECT p.product_no,sum(qty_ordered) FROM sale_order as o, sales_order_details as s,product_master as p where s.order_no = o.order_no and s.product_no = p.product_no group by p.product_no order by sum(qty_ordered) desc limit 3

product_no	sum(qty_ordered)
P00001	34
P03453	6
P07975	5

d) Find the name of clients who have purchase ‘CD Drive’.

SELECT c.Name as 'CD Drive Buyers' FROM sale_order as o, client_master as c, sales_order_details as s,product_master as p where p.product_no = s.product_no and o.order_no = s.order_no and c.client_no = o.client_no and p.description = 'CD Drive' group by c.Name

CD Drive Buyers

Ivan Bayross

Pramada Jaguste

e) List the product_no and order_no of customers having qty_ordered less than 5 from the sales_order_details table for the product ‘1.44 Floppies’.

SELECT p.product_no,o.order_no FROM sale_order as o, sales_order_details as s,product_master as p where s.order_no = o.order_no and s.product_no = p.product_no and p.description = '1.44 Floppies' group by o.order_no

product_no	order_no
P00001	O19001
P00001	O19002
P00001	O19008
P00001	O46865

f) Find the products and their quantities for the orders placed by ‘Ivan Bayross’ and ‘Vandana Saitwal’.

SELECT p.product_no,sum(qty_ordered) as qty FROM sale_order as o, client_master as c, sales_order_details as s,product_master as p where p.product_no = s.product_no and o.order_no = s.order_no and c.client_no = o.client_no and (c.Name = 'Ivan Bayross' or c.Name = 'Vandana Saitwal') group by p.product_no

product_no	qty
P00001	14
P03453	2
P06734	1
P07885	2
P07965	2

g) Find the products and their quantities for the orders placed by client_no ‘C00001’ and ‘C00002’.

SELECT p.product_no,sum(qty_ordered) as qty FROM sale_order as o, sales_order_details as s,product_master as p where p.product_no = s.product_no and o.order_no = s.order_no and (o.client_no = 'C00001' or o.client_no = 'C00002') group by p.product_no

product_no	qty
P00001	14
P03453	2
P06734	1
P07885	2
P07965	2

****

7). Exercise on Sub-queries:

a) Find the product_no and description of non-moving products i.e. products not being sold.

SELECT p.product_no, description FROM product_master as p left join sales_order_details as s on p.product_no = s.product_no where s.product_no is null

product_no	description
P07865	1.22 Floppies
P08865	1.22 Drive

b) Find the customer name, address1, address2, city and pin code for the client who has placed order no ‘O19001’.

SELECT Name,Address1,Address2,City,Pincode FROM client_master as c,sale_order as o where c.client_no = o.client_no and order_no = 'O19001'

Name	Address1	Address2	City	Pincode
Ivan Bayross			Bombay	400054

c) Find the client names who have placed orders before the month of May'96.

SELECT Name FROM client_master as c,sale_order as o where c.client_no = o.client_no and year(order_date) <= 1996 and month(order_date) < 5 group by Name

Name
Ivan Bayross
Pramada Jaguste
Vandana Saitwal

d) Find out if the product '1.44 Drive' has been ordered by any client and print the clint_no, name to whom it was sold.

SELECT c.client_no,Name FROM sale_order as o, sales_order_details as s,product_master as p,client_master as c where s.order_no = o.order_no and s.product_no = p.product_no and c.client_no = o.client_no and p.description = '1.44 Drive' group by o.order_no

client_no	Name
C00005 [->]	Ravi Shreedharan

e) Find the names of clients who have placed orders worth Rs.10000 or more.

SELECT Name FROM sales_order_details as s, sale_order as o, client_master as c where c.client_no = o.client_no and o.order_no = s.order_no and qty_ordered*product_rate >= 10000 group by o.client_no

Name
Ivan Bayross

Pramada Jaguste

****

8). Exercise on Constructing Sentences with data:

a) Print information from product_master, sales_order_detail tables in the following format for all the records:

{Description} worth Rs. {total sales for the product} was sold.

SELECT concat(Description,' worth Rs\. ',(qty_ordered*product_rate) ,' was sold\.') as 'Data' FROM sales_order_details as s, product_master as p WHERE p.product_no = s.product_no group by Description

Data

1.44 Drive worth Rs. 5250 was sold.

1.44 Floppies worth Rs. 2100 was sold.

540 HHD worth Rs. 16800 was sold.

CD Drive worth Rs. 10500 was sold.

keyboards worth Rs. 9450 was sold.

monitors worth Rs. 4200 was sold.

mouse worth Rs. 12000 was sold.

b) Print information from product_master, sales_order_detail tables in the following format for all the records:

{Description} worth Rs. {total sales for the product} was ordered in the month of {order_date in month format}.

SELECT concat(Description,' worth Rs\. ',qty_ordered*product_rate,' was ordered in a month of ',MONTH(o.order_date),'\.') as 'Data' FROM sales_order_details as s, product_master as p, sale_order as o WHERE p.product_no = s.product_no and s.order_no = o.order_no group by Description

Data

1.44 Drive worth Rs. 5250 was ordered in a month of 5.

1.44 Floppies worth Rs. 2100 was ordered in a month of 1.

540 HHD worth Rs. 16800 was ordered in a month of 1.

CD Drive worth Rs. 10500 was ordered in a month of 1.

keyboards worth Rs. 9450 was ordered in a month of 2.

monitors worth Rs. 2100 was ordered in a month of 4.

mouse worth Rs. 12000 was ordered in a month of 4.

c) Print information from client_master, product_master, sales_order tables in the following format for all the records:

{cust_name} has placed order {order_no} on {order_date}.

SELECT concat(Name,' has placed order ',order_no,' on date ',order_date,'\.') as 'Data' FROM client_master as c, sale_order as o WHERE c.client_no = o.client_no group by Name

Data

Basu Navindgi has placed order O46866 on date 1996-05-20.

Ivan Bayross has placed order O19001 on date 1996-01-12.

Pramada Jaguste has placed order O46865 on date 1996-02-18.

Ravi Shreedharan has placed order O19008 on date 1996-05-24.

Vandana Saitwal has placed order O19002 on date 1996-01-25.

****
****

****

****

Name: Pradip S Karmakar

Roll-no: 10

Class: MCA 2

Subject: Web Application Development (WAD)

****

****

ASSIGNMENT 4

****

****

Q1) Write a php script to upload a file.

****

****

p1.html:

```
<!DOCTYPE html>
<html>
    <body>
    <form action="p1.php" method="post" enctype="multipart/form-
data">
        <h2>File Upload</h2>
        Select image to upload:
        <input type="file" name="fileToUpload" id="fileToUpload">
        <input type="submit" value="Upload Image"
name="submit">
    </form>
```

```
        </body>
    </html>
```

p1.php:

```
    <?php
        $target_file = basename($_FILES["fileToUpload"]["name"]);
        if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"],
$target_file)) {
                echo "Upload success";
            } else {
                echo "Sorry, there was an error uploading your
file.";
            }
    ?>
```

OUTPUT :

File Upload

Select image to upload: Capture2.PNG

Upload success

****

Q2) Write a php script which reads and display each directory as a bulleted list.

****

```
<?php
    $cwd = getcwd();
```

```
        $dir = scandir($cwd);
        foreach($dir as $d)
        {
            if(is_dir($d))
                echo "<br> $d";
        }
    ?>
```

OUTPUT :

Practical1

Practical2

Practical3

Practical4

****

Q3) Write a php script which reads and display each file of a specified directory.

****

```
    <?php
        $cwd = getcwd();
        $dir = scandir($cwd);
        foreach($dir as $d)
        {
            if(is_file($d))
                echo "<br> $d";
        }
    ?>
```

OUTPUT :

p1.php

p2.php

p3.php

****

Q4) Write a php script which reads and display each file details of a specified directory. The file details include file last access date, last modified date, owner etc.

****

```
<?php
	$cwd = getcwd();
	$dir = scandir($cwd);
	foreach($dir as $d)
	{
		if(is_file($d))
			echo "<br>" .$d. " create date : ".date('d-m-Y',fileatime($d))." access date : ".date('d-m-Y',fileatime($d)). " author : ".fileowner($d);
	}
?>
```

OUTPUT :

p1.php create date : 06-12-2018 access date : 06-12-2018 author : ZK\ZK

p2.php create date : 06-12-2018 access date : 06-12-2018 author : ZK\ZK

p3.php create date : 03-12-2018 access date : 03-12-2018 author : ZK\ZK

****

Q5) Write a php script which reads and display each file of each directory

****

```
<?php
	lists(getcwd());
	function lists($dir){
		$ffs = scandir($dir);
		unset($ffs[array_search('.', $ffs, true)]);
		unset($ffs[array_search('..', $ffs, true)]);
		foreach($ffs as $ff){
			if(is_dir($dir.'/'.$ff)) {
				echo "<br/>$ff<br/>";
				lists($dir.'/'.$ff);
				echo "<br/>";
			}
			else
				echo $ff."<br/>";
		}
	}
?>
```

OUTPUT :

Practical1

p1.php

p2.php

Practical2

p1.php

p2.php

Practical3

p1.php

p2.php

****

Q6) Write a program to create, copy and delete a directory using php.

****

```
<?php
	mkdir("xyz");
	function copyr($source, $dest){
		if (is_link($source))
			return symlink(readlink($source), $dest);
		if (is_file($source))
			return copy($source, $dest);
		if (!is_dir($dest))
			mkdir($dest);
		$dir = dir($source);
		while (false !== $entry = $dir->read()) {
			if ($entry == '.' || $entry == '..')
				continue;
			copyr("$source/$entry", "$dest/$entry");
		}
		$dir->close();
		return true;
	}
```

```
        copyr("xyz","abc");
        rmdir("xyz");
    ?>
```

****

Q10) Create a database in named Samay in mysql.The samay database has a table named Watch.In the Watch table perform the followings:

i. insert a record with date and time

ii. Insert a record with only date

iii. Insert a record with only time

iv. Retrieve a record which will display only date in the format dd/mm/yyyy

v. Retrieve a record which will display date in the format mm/dd/yyyy

vi. Retrieve a record which will display date in the format yyyy-mm-dd

vii. Retrieve a record which will display date and time in the format dd/mm/yyyy hh:mi:ss

viii. What is the date of a record in which you have inserted time only?

What is the time of a record in which you have inserted date only?

****

```
    <?php
        $link=mysqli_connect("localhost","root","") or die(mysqli_error($link));
        mysqli_query($link,"create database if not exists samay") or die(mysqli_error($link));
        mysqli_select_db($link,"samay") or die(mysqli_error($link));
        mysqli_query($link,"create table if not exists watch(`date` date)") or die(mysqli_error($link));

        echo " <h2> insert a record with date and time </h2> ";
```

```
$date = date("Y-m-d H:i:s");
$insert = "INSERT INTO watch (date) VALUES ('$date')";
if (mysqli_query($link,$insert))
        echo "record inserted data $date";
else
        echo "Failed";

echo " <h2> Insert a record with only date </h2> ";
$date = date('Y-m-d');
$insert = "INSERT INTO watch (date) VALUES ('$date')";
if (mysqli_query($link,$insert))
        echo "record inserted date $date";
else
        echo "Failed";

echo " <h2> Insert a record with only Time </h2> ";
date_default_timezone_set("Asia/Kolkata");
$date = date("H:m:s");
$insert = "INSERT INTO watch (date) VALUES ('$date')";
if (mysqli_query($link,$insert))
        echo "record inserted time $date";
        else
                echo "Failed";

echo " <h2> Retrieve a record which will display only date in the format
dd/mm/yyyy </h2> ";
$sql = "SELECT DATE_FORMAT(date, '%d/%m/%Y') FROM watch";
$result = mysqli_query($link,$sql);
        while ($row = mysqli_fetch_array($result)) {
                if($row[0] == '00/00/0000')
                        continue;
```

```
                    echo $row[0]."<br>";
                }

        echo " <h2> Retrieve a record which will display date in the format mm/dd/yyyy </h2> ";
        $sql = "SELECT DATE_FORMAT(date, '%m/%d/%Y') FROM watch";
        $result = mysqli_query($link,$sql);
                while ($row = mysqli_fetch_array($result)) {
                    if($row[0] == '00/00/0000')
                        continue;
                    echo $row[0]."<br>";
                }

        echo " <h2> Retrieve a record which will display date in the format yyyy-mm-dd </h2> ";
        $sql = "SELECT DATE_FORMAT(date, '%Y-%m-%d') FROM watch";
        $result = mysqli_query($link,$sql);
                while ($row = mysqli_fetch_array($result)) {
                    if($row[0] == '0000-00-00')
                        continue;
                    echo $row[0]."<br>";
                }

        echo " <h2> Retrieve a record which will display date and time in the format dd/mm/yyyy hh:mi:ss </h2> ";
        $sql = "SELECT DATE_FORMAT(date, '%d/%m/%y  %h:%i:%s') FROM watch";
        $result = mysqli_query($link,$sql);
                while ($row = mysqli_fetch_array($result)) {
                    echo $row[0]."<br>";
                }
    ?>
```

OUTPUT :

insert a record with date and time

record inserted date and time 2018-12-07 09:39:11

Insert a record with only date

record inserted date 2018-12-07

Insert a record with only Time

record inserted time 14:12:11

Retrieve a record which will display only date in the format dd/mm/yyyy

07/12/2018

07/12/2018

07/12/2018

07/12/2018

11/12/2014

Retrieve a record which will display date in the format mm/dd/yyyy

12/07/2018

12/07/2018

12/07/2018

12/07/2018

12/11/2014

Retrieve a record which will display date in the format yyyy-mm-dd

2018-12-07

2018-12-07

2018-12-07

2018-12-07

2014-12-11

Retrieve a record which will display date and time in the format dd/mm/yyyy hh:mi:ss

07/12/18 12:00:00

07/12/18 12:00:00

00/00/00 12:00:00

07/12/18 12:00:00

07/12/18 12:00:00

11/12/14 12:00:00

****

Q11) Write a php script which will ask user to provide caption and background color of a button. The script will display the text in center of the

button with background color selected by user

****

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Button</title>
   <style>
   body{
        margin: 0;
        background-color:black;
      }
```

```
        .content{
            text-align: center;
            margin: 10% 0 0 0;
        }
        .form_element{
            width: 28%;
            height: 55px;
            border-radius: 5px;
            border: 2px solid aquamarine;
            padding: 10px;
            margin-top: 10px;
            font-size: medium;
        }

        .form_button{
            width: 35%;
            height: 45px;
            border-radius: 5px;
            border: 0px;
            background-color: red;
            margin: 10px 0 20px 0;
            font-weight: bold;
        }

        .form_button:hover{
            cursor: pointer;
            background-color: greenyellow;
        }

    </style>
</head>
```

```
<body>
   <div class="content">
      <form method="POST">
         <div>
            <input type="text" name="cap" class="form_element" placeholder="Write Caption"/>
         </div>
         <div>
            <input type="text" name="color" class="form_element" placeholder="Write Color Name"/>
            <br><p style="color:#fff;"><span style="color:red;">* </span>Please Provide Proper Color Name otherwise won't effect.</p>
         </div>
         <div>
            <input type="submit" name="submit" value="submit" class="form_button">
         </div>
      </form>
      <?php
         if(isset($_POST['submit']))
         {
            $caption = $_POST['cap'];
            $color = $_POST['color'];
      ?>
         <div>
            <input type="button" value="<?= $caption; ?>" class="form_button" style="background-color:<?= $color; ?>">
         </div>
      <?php
         }
      ?>
   </div>
</body>
</html>
```

****
****

Q13) Write a php script which allows user to store one or more itmes in a shopping cart. When user click on continue button it moves to the previous page

and allows user to change quantity of selected items. If user click on show cart button it will display shopping cart with items.

****
****

****

cart.sql

****

```
CREATE TABLE `cart` (
  `cart_id` int(2) NOT NULL,
  `pro_id` int(2) NOT NULL,
  `pro_name` varchar(30) NOT NULL,
  `price` decimal(10,0) NOT NULL,
  `qty` int(2) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;


ALTER TABLE `cart`
  ADD PRIMARY KEY (`cart_id`),
  ADD KEY `pro_id` (`pro_id`);


ALTER TABLE `cart`
  MODIFY `cart_id` int(2) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=9;
```

```
ALTER TABLE `cart`
  ADD CONSTRAINT `cart` FOREIGN KEY (`pro_id`) REFERENCES `products` (`pro_id`) ON DELETE CASCADE ON UPDATE CASCADE;
COMMIT;
```

****

products.sql

****

```
CREATE TABLE `products` (
  `pro_id` int(2) NOT NULL,
  `pro_name` varchar(30) NOT NULL,
  `price` decimal(10,2) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `products` (`pro_id`, `pro_name`, `price`) VALUES
(1, 'Desktop', '30000.00'),
(2, 'Laptop', '35000.00'),
(3, 'Gaming Set', '5500.00'),
(4, 'Extentions', '800.00'),
(5, 'Softwares', '16000.00');

ALTER TABLE `products`
  ADD PRIMARY KEY (`pro_id`);

ALTER TABLE `products`
  MODIFY `pro_id` int(2) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;
COMMIT;
```

****

Dataclass.php

****

```
<?php
class Dataclass
{

        private $conn;



   public function __construct()
   {
     $this->conn=mysqli_connect("localhost","root","","wad") or die('connection Failed');
   }
   public function getConn()
   {
      return $this->conn;
   }


   public function saveRecord($query)
   {
         $res=mysqli_query($this->conn,$query);
            return $res;
   }
   public function getTable($query)
   {
         $table = mysqli_query($this->conn,$query);
```

```
        return $table;
    }

    public function getRow($query)
    {
        $table = mysqli_query($this->conn,$query);
        $row = mysqli_fetch_assoc($table);
        return $row;
    }
}
?>
```

****

Shop.php :

****

```
<?php
    session_start();
    $j = 1;
    $qty = 1;
    require_once('dataclass.php');
    $dc = new Dataclass();
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Shopping Cart</title>
    <link rel="stylesheet" href="main.css">
```

```
</head>
<body>
<form method="POST">

    <?php $getusers = $dc->getTable("select pro_id from cart");
                $sum = $getusers->num_rows;
            ?>
  <div class="box">
    <?php
      $get = $dc->getTable("select * from products");
      while ($rw=mysqli_fetch_assoc($get))
      {
    ?>
      <div class="product">
      <h2><?= $rw['pro_name'] ?></h2>
      <h3>Rs <?= $rw['price'] ?></h3>
      <br>
      <input type="hidden" name="id" value="<?= $rw['pro_id'] ?>">
      <input type="submit" name="pro<?= $rw['pro_id'] ?>" class="form_button" value="Add">
      </div>
    <?php
      }
    ?>
  </div>
  <?php
    while($j < 6)
    {
      $x = "pro".$j;
    if(isset($_POST[$x])){
      $proid = $j;
      $check = "select pro_id from cart where pro_id = $proid";
```

```
        $getcheck = $dc->getTable($check);
        $data = $dc->getRow("select pro_id,pro_name,price from products where pro_id = $proid");
        $id = $data['pro_id'];
        $product = $data['pro_name'];
        $price = $data['price'];
        if($getcheck->num_rows == 0)
        {
           $save = "insert into cart(pro_id,pro_name,price,qty) values('$id','$product','$price','$qty')";
           if($dc->saveRecord($save))
           {
              header("location:shop.php");
           }
           else{
              echo "<script> alert('Error'); </script>";
           }
        }
        else{
           $update = $dc->getTable("update cart set qty = qty+1 where pro_id = $id");
           if($update)
           {
              echo "<script> alert('Product Updated Successfully'); </script>";
           }
           else{
              echo "<script> alert('Error in Update'); </script>";
           }
        }
     }
$j++;
}
?>
<div class="continue"> <h1>Cart Count : <?= $sum ?></h1></div>
```

```
    <div class="continue">
        <input type="submit" name="continue" value="Continue" class="form_button">
        <input type="submit" name="clear" value="Clear Cart" class="form_button">
    </div>
    <?php
        if(isset($_POST['continue'])){
            header('Location:cart.php');
        }

        if(isset($_POST['clear'])){
            if($dc->saveRecord("delete from cart"))
            {
                echo "<script> alert('Cart Is Empty Now'); </script>";
                header("location:shop.php");
            }
            else{
                echo "<script> alert('Error in Deletion'); </script>";
            }
        }
    ?>
</form>
</body>
</html>
```

****

Cart.php

****

```
<?php
session_start();
```

```
require_once('dataclass.php');
$dc = new Dataclass();
$total = 0;
?>

<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Checkout</title>
   <link rel="stylesheet" href="main.css">
</head>
<body>
   <div class="cart">
      <h1>Cart</h1>
      <form method="POST">
         <div class="innertable">
            <table>
               <tr>
                  <th>Product Name</th>
                  <th>Price</th>
                  <th>Quantity</th>
                  <th>Total</th>
               </tr>
               <?php
                  $get = $dc->getTable("select * from cart");
                  while ($rw=mysqli_fetch_assoc($get))
                  {
               ?>
                  <tr>
```

```
                    <td><?= $rw['pro_name'] ?></td>
                    <td><?= $rw['price'] ?></td>
                    <td><?= $rw['qty'] ?></td>
                    <td><?= $rw['price'] * $rw['qty'] ?></td>
                </tr>
                <?php
                $total += $rw['price'] * $rw['qty'];
                }
                ?>
                <tr>
                    <th colspan="3">Total</th>
                    <th><?= $total ?></th>
                </tr>
            </table>
        </div>
        <div>
            <input type="submit" value="Home" name="submit" class="form_button">
            <?php
                if(isset($_POST['submit']))
                {
                    header("location:shop.php");
                }
            ?>
        </div>
    </form>
  </div>
</body>
</html>
```

****

main.css

****

```
body{
    margin: 0 auto;
    background-color:beige;
}
.box{
    text-align: center;
    margin: 10% 0 0 0;
    display: flex;
}
.cart{
    text-align: center;
    margin: 5% 0 0 0;
}
.continue{
    text-align: center;
    margin: 5% 0 0 0;
}
.product{
    width: 33.33%;
}
.form_button{
    width: 35%;
    height: 45px;
    border-radius: 5px;
    border: 0px;
    background-color: red;
    margin: 10px 0 20px 0;
    font-weight: bold;
    cursor: pointer;
```

```
}
.form_button:hover{
    cursor: pointer;
    background-color: greenyellow;
}
table{
    width: 80%;
    margin-left: 10%;
    border-collapse: collapse;
    border:1px solid black;
    border-radius: 5%;
}
td,th,tr{
    border:1px solid black;
    padding: 2%;
    border-spacing: -10px;
}
```

****
****

****
****