PHP Tutorial

1. Create 2 variables name x & y and assign them the values of 6 and 4 respectively. Then display the sum, multiplication, division and subtraction in the following format.

Sum : 10

Difference :2

Product : 24

Division :1.5

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```php
<?php

$a = 6;
$b = 4;

//  Calculate the results

$sum = $a + $b;
$difference = $a - $b;
$product = $a * $b;
$division = $a / $b;

// Display the results in the specified format

echo "Sum: {$sum} Difference: {$difference} Product: {$product} Division: {$division}";
?>
```

2. Write a Program to display count, from 5 to 15 using PHP loop as given below.

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```php
<?php
for ($i = 5; $i <= 15; $i++) {
   echo $i . " ";
}
?>
```

3. You need to write a PHP program to calculate electricity bill using if-else conditions

Conditions:

- For first 0-50 units – Rs. 3.50/unit
- From 51-100 units – Rs. 4.00/unit
- From 101 -150 units– Rs. 5.20/unit
- For units above 151 – Rs. 6.50/unit
- You can use conditional statements.

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```php
<?php
// Function to calculate electricity bill
function calculateElectricityBill($units) {
    if ($units <= 50) {
        $bill = $units * 3.50;
    } elseif ($units <= 100) {
        $bill = 50 * 3.50 + ($units - 50) * 4.00;
    } elseif ($units <= 150) {
        $bill = 50 * 3.50 + 50 * 4.00 + ($units - 100) * 5.20;
    } else {
        $bill = 50 * 3.50 + 50 * 4.00 + 50 * 5.20 + ($units - 150) * 6.50;
    }

    return $bill;
}

// Test the function with different units
$units1 = 30;
$units2 = 75;
$units3 = 125;
$units4 = 200;

echo "Electricity bill for {$units1} units: Rs. " . calculateElectricityBill($units1) . "\n";
```

```php
echo "Electricity bill for {$units2} units: Rs. " . calculateElectricityBill($units2) .
"\n";
echo "Electricity bill for {$units3} units: Rs. " . calculateElectricityBill($units3) .
"\n";
echo "Electricity bill for {$units4} units: Rs. " . calculateElectricityBill($units4) .
"\n";
?>
```

4. Write a program to show day of the week (for example: Monday) based on numbers using switch/case statements.
Conditions:
- You can pass 1 to 7 number in switch
- Day 1 will be considered as Monday

- If number is not between 1 to 7, show invalid number in default

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```php
<?php
function getDayOfWeek($dayNumber) {
  switch ($dayNumber) {
    case 1:
      return "Monday";
    case 2:
      return "Tuesday";
    case 3:
      return "Wednesday";
    case 4:
      return "Thursday";
    case 5:
      return "Friday";
    case 6:
      return "Saturday";
    case 7:
      return "Sunday";
    default:
      return "Invalid number";
  }
```

```php
}

// Test the function with different day numbers

$dayNumber1 = 1;
$dayNumber2 = 4;
$dayNumber3 = 7;
$dayNumber4 = 9;

echo "Day {$dayNumber1}: " . getDayOfWeek($dayNumber1) . "\n";
echo "Day {$dayNumber2}: " . getDayOfWeek($dayNumber2) . "\n";
echo "Day {$dayNumber3}: " . getDayOfWeek($dayNumber3) . "\n";
echo "Day {$dayNumber4}: " . getDayOfWeek($dayNumber4) . "\n";
?>
```

5. Create an array called 'fruits' using PHP and print each element of the array using a for each loop.

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```php
<?php
// Create the 'fruits' array

$fruits = array("Apple", "Banana", "Orange", "Mango", "Grapes");

// Get the number of elements in the 'fruits' array

$arrayLength = count($fruits);

// Print each element of the 'fruits' array using a for loop

for ($i = 0; $i < $arrayLength; $i++) {
    echo $fruits[$i] . "\n";
}
?>
```