## Hands on

## Workshop Week 6

## Write a Program:

1. To count 5 to 15 using PHP loop.

5 6 7 8 9 10 11 12 13 14 15

2. To print "Hello World" using PHP variable.

Hello World

3. To check student grade based on marks.

```
💏 q3.php
                                           X
💏 q1.php
               💏 q2.php
C: > xampp > htdocs > week6assingment > ♠ q3.php > ♦ html > ♦ body
      <html lang="en">
           <meta charset="UTF-8">
           <meta http-equiv="X-UA-Compatible" content="IE=edge">
           <meta name="viewport" content="width=device-width, initial-scale=1.0">
           <title>Document</title>
      marks = 85;
      if ($marks >= 100) {
           echo "Grade: A+";
      } elseif ($marks >= 90) {
           echo "Grade: A";
      } elseif ($marks >= 80) {
           echo "Grade: B";
      } elseif ($marks >= 70) {
           echo "Grade: C";
       } elseif ($marks >= 60) {
           echo "Grade: D";
 22
       } else {
           echo "Grade: F";
```

```
Grade: B
```

4. To find factorial of a number using loop in PHP

```
💏 q1.php
                   💏 q2.php
                                       💏 q3.php
                                                           💏 q4.php
C: \rightarrow xampp \rightarrow htdocs \rightarrow week6assingment \rightarrow \Leftrightarrow q4.php \rightarrow \Leftrightarrow html \rightarrow \Leftrightarrow body
        <html lang="en">
             <meta charset="UTF-8">
            <meta http-equiv="X-UA-Compatible" content="IE=edge">
            <meta name="viewport" content="width=device-width, initial-scale=1.0">
            <title>Document</title>
        num = 69;
 11
       $factorial = 2;
        for (\$i = \$num; \$i > 0; \$i--) {
             $factorial *= $i;
        echo "The factorial of $num is $factorial";
```

The factorial of 69 is 3.4224490485628E+98

5. To create a given pattern with \* using for loop

```
💏 q1.php
                💏 q2.php
                                💏 q3.php
                                                 💏 q4.php
                                                                 💏 q5.php
C: > xampp > htdocs > week6assingment > ♠ q5.php > ♦ html > ♦ body
      <html lang="en">
      <head>
           <meta charset="UTF-8">
          <meta http-equiv="X-UA-Compatible" content="IE=edge">
           <meta name="viewport" content="width=device-width, initial-scale=1.0">
           <title>Document</title>
      </head>
       <?php
       for ($i = 1; $i <= 8; $i++) {
           for (\$j = 1; \$j \leftarrow \$i; \$j++) {
               echo "*";
           echo "<br>";
 16
```

6. \$list = array( "Italy"=>"Rome", "Luxembourg"=>"Luxembourg", "Belgium"=> "Brussels", "Denmark"=>"Copenhagen", "Finland"=>"Helsinki", "France" => "Paris", "Slovakia"=>"Bratislava", "Slovenia"=>"Ljubljana", "Germany" => "Berlin", "Greece" => "Athens", "Ireland"=>"Dublin", "Netherlands"=>"Amsterdam", "Portugal"=>"Lisbon", "Spain"=>"Madrid", "Sweden"=>"Stockholm", "United Kingdom"=>"London", "Cyprus"=>"Nicosia", "Lithuania"=>"Vilnius", "Czech Republic"=>"Prague", "Estonia"=>"Tallin", "Hungary"=>"Budapest", "Latvia"=>"Riga", "Malta"=>"Valetta", "Austria" => "Vienna", "Poland"=>"Warsaw");
Create a PHP script which displays the capital and country name from the above array \$list. Sort the list by the name of the capital.

```
×
                                                     💏 q4.php
                                                                                         💏 q6.php
C: > xampp > htdocs > week6assingment > ♥ q6.php > ♦ html > ♦ body
       <html lang="en">
           <meta charset="UTF-8">
            <meta http-equiv="X-UA-Compatible" content="IE=edge">
            <meta name="viewport" content="width=device-width, initial-scale=1.0">
            <title>Document</title>
       $list = array(
            "Luxembourg" => "Luxembourg",
            "Belgium" => "Brussels",
"Denmark" => "Copenhagen",
"Finland" => "Helsinki",
            "Slovenia" => "Ljubljana",
            "Germany" => "Berlin",
            "Netherlands" => "Amsterdam",
            "Portugal" => "Lisbon",
            "Spain" => "Madrid",
            "United Kingdom" => "London",
            "Cyprus" => "Nicosia",
"Lithuania" => "Vilnius",
"Czech Republic" => "Prague",
            "Hungary" => "Budapest",
            "Malta" => "Valetta",
            "Austria" => "Vienna",
            "Poland" => "Warsaw"
       asort($list);
       foreach ($list as $capital => $country) {
            echo "Capital: $capital, Country: $country<br>";
```

Capital: Netherlands, Country: Amsterdam

Capital: Greece, Country: Athens
Capital: Germany, Country: Berlin
Capital: Slovakia, Country: Bratislava
Capital: Belgium, Country: Brussels
Capital: Hungary, Country: Budapest
Capital: Denmark, Country: Copenhagen

Capital: Ireland, Country: Dublin Capital: Finland, Country: Helsinki Capital: Portugal, Country: Lisbon Capital: Slovenia, Country: Ljubljana

Capital: United Kingdom, Country: London Capital: Luxembourg, Country: Luxembourg

Capital: Spain, Country: Madrid Capital: Cyprus, Country: Nicosia Capital: France, Country: Paris

Capital: Czech Republic, Country: Prague

Capital: Latvia, Country: Riga Capital: Italy, Country: Rome

Capital: Sweden, Country: Stockholm Capital: Estonia, Country: Tallin Capital: Malta, Country: Valetta Capital: Austria, Country: Vienna Capital: Lithuania, Country: Vilnius

Capital: Poland, Country: Warsaw

7. Write a PHP function that checks whether a passed string is a palindrome or not?
A palindrome is word, phrase, or sequence that reads the same backward as forward,
e.g., madam or dad or noon

1

8. To swap two variables

Eg: \$a = 1; \$b =2; Result: \$a = 2; \$b=1;

a = 2, b = 1

9. To print the multiple of a given number

Example:

define('a',5);

5 10 15 20 25 30 35 40 45 50 use <br/>br> to print in each line

5

10

15 20

25

30

35

40

45

50

10. To find whether given number is Armstrong or not.

Example:

\$number = 153

If (\$number == 1\*1\*1+5\*5\*5+3\*3\*3)

Return Armstrong number

Other number: 1, 0, 371, 407 etc

153 is an Armstrong number.