

1- Search for how to make \n work in browser.

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <meta charset="UTF-8">
6     <meta http-equiv="X-UA-Compatible" content="IE=edge">
7     <meta name="viewport" content="width=device-width, initial-scale=1.0">
8     <title>Document</title>
9 </head>
10
11 <body>
12     <?php
13         echo nl2br("It's the first line before break\nthe second line.", false);
14         echo "<pre>";
15         echo "Hello World \n";
16         echo "Hello World";
17         echo "</pre>"
18     ?>
19 </body>
20
21 </html>
```

2- Search for 3 built-in function of a string.

- Wrap Function


```
1 // Wrap Function
2 $text = "The quick brown fox jumped over the lazy dog.";
3 $newtext = wordwrap($text, 4, "<br />\n");
4 echo $newtext;
5
```

The
quick
brown
fox
jumped
over
the
lazy
dog.

- **Vsprintf**

```
vsprintf("%04d - %02d - %02d", explode(',', '1988,8,1'))  
1988 - 08 - 01
```

- **substr**



```
1 // substr – Return part of a string  
2 $rest = substr("abcdef", -1); // returns "f"  
3 $rest = substr("abcdef", -2); // returns "ef"  
4 $rest = substr("abcdef", -5, 2); // returns "bc"  
5 $rest = substr("abcdef", 3, -2); // returns "d"  
6 echo $rest;
```

3- Write a PHP script to get the sum and avg of an indexed array

with value = 45 in index =1

with value = 12 in index =0

with value = 25 in index =3

with value = 10 in index =2

after that sort it in a reverse order (highest to lowest).

```
1  <?php
2      // First way
3      $array = [12, 45, 10, 25];
4      $sum = 0;
5      $avg = 0;
6      foreach ($array as $num) {
7          $sum = $sum + $num;
8      };
9      echo $sum . "<br>";
10     echo $avg = $sum / count($array) . "<br>";
11     rsort($array);
12     foreach ($array as $key => $val) {
13         echo "<pre>";
14         echo "$key = $val\n";
15         echo "</pre>";
16     };
17     // Second way
18     $array = [12, 45, 10, 25];
19     echo array_sum($array) . "<br>";
20     echo $avg = array_sum($array) / count($array);
21     rsort($array);
22     foreach($array as $key => $val) {
23         echo "<pre>";
24         echo "$key = $val\n";
25         echo "</pre>";
26     }
27     ?>
```

4- Write a PHP script to sort the following associative array
array("Sara"=>31,"John"=>41,"Walaa"=>39,"Ramy"=>40) in

a) ascending order sort by value

b) ascending order sort by Key

c) descending order sorting by Value

d) descending order sorting by Key

```
1  <?php
2      $people = [
3          "Sara" => 31,
4          "John" => 41,
5          "Walaa" => 39,
6          "Ramy" => 40
7      ];
8      // a) ascending order sort by value
9      asort($people);
10     foreach($people as $key => $value) {
11         echo "<pre>";
12         echo "$key = $value \n";
13         echo "</pre>";
14     }
15     // b) ascending order sort by Key
16     ksort($people);
17     foreach($people as $key => $value) {
18         echo "<pre>";
19         echo "$key = $value \n";
20         echo "</pre>";
21     }
22     // c) descending order sorting by Value
23     arsort($people);
24     foreach($people as $key => $value) {
25         echo "<pre>";
26         echo "$key = $value \n";
27         echo "</pre>";
28     }
29     // d) descending order sorting by Key
30     krsort($people);
31     foreach($people as $key => $value) {
32         echo "<pre>";
33         echo "$key = $value \n";
34         echo "</pre>";
35     }
36     ?>
```

5- Display the following array in an HTML table with Name, Email and Status table headers.

Specify PHP status with red color.

```
$students = [  
    ['name' => 'Alaa', 'email' => 'alaa@test.com', 'status' => 'PHP'],  
    ['name' => 'Shamy', 'email' => 'shamy@test.com', 'status' => '.Net'],  
    ['name' => 'Youssef', 'email' => 'youssef@test.com', 'status' => 'Testing'],  
    ['name' => 'Waleid', 'email' => 'waleid@test.com', 'status' => 'PHP'],  
    ['name' => 'Rahma', 'email' => 'rahma@test.com', 'status' => 'Front End'],  
];
```



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <meta charset="UTF-8">
6     <meta http-equiv="X-UA-Compatible" content="IE=edge">
7     <meta name="viewport" content="width=device-width, initial-scale=1.0">
8     <title>Document</title>
9 </head>
10
11 <body>
12     <h1>PHP Q2-2022 Class Registration</h1>
13     <table>
14         <thead>
15             <tr>
16                 <?php
17                 $students = [
18                     ['name' => 'Alaa', 'email' => 'alaa@test.com', 'status' => 'PHP'],
19                     ['name' => 'Shamy', 'email' => 'shamy@test.com', 'status' => '.Net'],
20                     ['name' => 'Youssef', 'email' => 'youssef@test.com', 'status' => 'Testing'],
21                     ['name' => 'Waleid', 'email' => 'waleid@test.com', 'status' => 'PHP'],
22                     ['name' => 'Rahma', 'email' => 'rahma@test.com', 'status' => 'Front End'],
23                 ];
24                 for ($i = 0; $i < 1; $i++) {
25                     $allKeys = array_keys($students[0]);
26                     for ($i = 0; $i < sizeof($students[0]); $i++) {
27                         echo "<th>" . strtoupper($allKeys[$i]) . "</th>";
28                     }
29                 }
30             <?>
31         </tr>
32     </thead>
33     <tbody>
34         <?php
35         for ($i = 0; $i < sizeof($students); $i++) {
36             if ($i === 0 || $i === 3) {
37                 echo "<tr style='color:red;'>";
38                 echo "<td>" . $students[$i]['name'] . "</td>";
39                 echo "<td>" . $students[$i]['email'] . "</td>";
40                 echo "<td>" . $students[$i]['status'] . "</td>";
41                 echo "</tr>";
42             } else {
43                 echo "<tr>";
44                 echo "<td>" . $students[$i]['name'] . "</td>";
45                 echo "<td>" . $students[$i]['email'] . "</td>";
46                 echo "<td>" . $students[$i]['status'] . "</td>";
47                 echo "</tr>";
48             }
49         }
50         <?>
51     </tbody>
52 </tbody>
53
54 </table>
55
56
57
58 </body>
59
60 </html>
```