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PHP byte array to hex, hex to byte array, string to hex, hex to string utility functions

util.php

```
1  <?php
2
3  function string2ByteArray($string) {
4      return unpack('C*', $string);
5  }
6
7  function byteArray2String($byteArray) {
8      $chars = array_map("chr", $byteArray);
9      return join($chars);
10 }
11
12 function byteArray2Hex($byteArray) {
13     $chars = array_map("chr", $byteArray);
14     $bin = join($chars);
15     return bin2hex($bin);
16 }
17
18 function hex2ByteArray($hexString) {
19     $string = hex2bin($hexString);
20     return unpack('C*', $string);
21 }
22
23 function string2Hex($string) {
24     return bin2hex($string);
25 }
26
27 function hex2String($hexString) {
28     return hex2bin($hexString);
29 }
30
31 ?>
```

util_test.php

```
1  <?php
```

```
2
3  include('./util.php');
4
5  $byteArray = unpack('C*', 'hello');
6  assert(string2ByteArray('hello') == $byteArray);
7  assert(byteArray2String($byteArray) == 'hello');
8
9  assert(byteArray2Hex($byteArray) == '68656c6c6f');
10 assert(hex2ByteArray('68656c6c6f') == $byteArray);
11
12 assert(string2Hex('hello') == '68656c6c6f');
13 assert(hex2String('68656c6c6f') == 'hello');
14
15 ?>
```