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# PHP

## SOLUTIONS

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#solutions

#php

#web

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## PHP SOLUTIONS

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1.

---

```
<?php echo "<h1>Hello World!</h1>"?>
```

---

2.

---

### Non-valid version (sum2.php):

```
<?php
$num1 = $_GET['num1'];
$num2 = $_GET['num2'];

echo $num1 + $num2;
?>
```

### HTML validated version (sum2.php):

```
<!DOCTYPE html>
<html>
  <head>
    <title>Sum Two</title>
    <meta charset="utf-8">
  </head>
  <body>
```

```
<?php
$num1 = $_GET['num1'];
$num2 = $_GET['num2'];

echo "<p>" . ($num1 + $num2) . "</p>";
?>
</body>
</html>
```

## Form (form2.html):

```
<!DOCTYPE html>
<html>
  <head>
    <title>Sum Two</title>
    <meta charset="utf-8">
  </head>
  <body>
    <form action="sum2.php" method="get">
      <label>Num 1:
        <input type="number" name="num1">
      </label>
      <label>Num 2:
        <input type="number" name="num2">
      </label>
      <input type="submit" value="Sum">
    </form>
  </body>
</html>
```

## Back link (sum2.php):

```
<!DOCTYPE html>
<html>
  <head>
    <title>Sum Two</title>
    <meta charset="utf-8">
  </head>
  <body>
    <?php
      $num1 = $_GET['num1'];
      $num2 = $_GET['num2'];
```

```
    echo "<p>" . ($num1 + $num2) . "</p>";
?>
    <a href="form2.html">Back</a>
</body>
</html>
```

---

4.

---

```
<?php
$db = new PDO('sqlite:news.db');

$stmt = $db->prepare('SELECT * FROM news');
$stmt->execute();
$articles = $stmt->fetchAll();

foreach( $article as $article) {
    echo '<h1>' . $article['title'] . '</h1>';
    echo '<p>' . $article['introduction'] . '</p>';
}
?>
```

---

5.

---

## list\_news.php

```
<?php
$db = new PDO('sqlite:news.db');

$stmt = $db->prepare('SELECT news.*, users.*, COUNT(comments.id) AS
comments FROM news JOIN
                                users USING (username) LEFT JOIN
                                comments ON comments.news_id =
news.id
                                GROUP BY news.id, users.username
                                ORDER BY published DESC');

$stmt->execute();
$articles = $stmt->fetchAll();
```

```
?>
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <title>Super Legit News</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <link href="style.css" rel="stylesheet">
    <link href="layout.css" rel="stylesheet">
    <link href="responsive.css" rel="stylesheet">
    <link href="comments.css" rel="stylesheet">
    <link href="forms.css" rel="stylesheet">
  </head>
  <body>
    <header>
      <h1><a href="list_news.php">Super Legit News</a></h1>
      <h2><a href="list_news.php">Where fake news are born!</a></h2>
      <div id="signup">
        <a href="register.html">Register</a>
        <a href="login.html">Login</a>
      </div>
    </header>
    <nav id="menu">
      <!-- just for the hamburguer menu in responsive layout -->
      <input type="checkbox" id="hamburger">
      <label class="hamburger" for="hamburger"></label>

      <ul>
        <li><a href="index.html">Local</a></li>
        <li><a href="index.html">World</a></li>
        <li><a href="index.html">Politics</a></li>
        <li><a href="index.html">Sports</a></li>
        <li><a href="index.html">Science</a></li>
        <li><a href="index.html">Weather</a></li>
      </ul>
    </nav>
    <aside id="related">
      <article>
        <h1><a href="#">Duis arcu purus</a></h1>
        <p>Etiam mattis convallis orci eu malesuada. Donec odio ex,
facilisis ac blandit vel, placerat ut lorem. Ut id sodales purus. Sed
ut ex sit amet nisi ultricies malesuada. Phasellus magna diam, molestie
nec quam a, suscipit finibus dui. Phasellus a.</p>
      </article>
```

```

<article>
  <h1><a href="#">Sed efficitur interdum</a></h1>
  <p>Integer massa enim, porttitor vitae iaculis id, consequat a
tellus. Aliquam sed nibh fringilla, pulvinar neque eu, varius erat. Nam
id ornare nunc. Pellentesque varius ipsum vitae lacus ultricies, a
dapibus turpis tristique. Sed vehicula tincidunt justo, vitae varius
arcu.</p>
</article>
<article>
  <h1><a href="#">Vestibulum congue blandit</a></h1>
  <p>Proin lectus felis, fringilla nec magna ut, vestibulum
volutpat elit. Suspendisse in quam sed tellus fringilla luctus quis non
sem. Aenean varius molestie justo, nec tincidunt massa congue vel. Sed
tincidunt interdum laoreet. Vivamus vel odio bibendum, tempus metus
vel.</p>
</article>
</aside>
<section id="news">
  <?php foreach($articles as $article) { ?>
    <article>
      <header>
        <h1>
          <a href="news_item.php?id=<?=$article['id']?>"><?
=$article['title']?></a>
        </h1>
      </header>
      
      <p><?=$article['introduction']?></p>
      <footer>
        <span class="author"><?=$article['name']?></span>
        <?php $tags = explode(',', $article['tags']); ?>
        <span class="tags">
          <?php foreach ($tags as $tag) { ?>
            <a href="list_news.php?tag=<?=$tag?>">#<?=$tag?></a>
          <?php } ?>
        </span>
        <span class="date"><?=date('Y-m-d H:i:s',
$article['published'] );?></span>
        <a class="comments" href="news_item.php?id=<?=$article['id']?
>#comments"><?=$article['comments']?></a>
      </footer>
    </article>
  <?php } ?>
</section>
<footer>

```

```

        <p>&copy; Fake News, 2017</p>
    </footer>
</body>
</html>

```

## news\_item.php

```

<?php
    $db = new PDO('sqlite:news.db');

    if (!isset($_GET['id']))
        die("No id!");

    $stmt = $db->prepare('SELECT * FROM news JOIN users USING (username)
WHERE id = ?');
    $stmt->execute(array($_GET['id']));
    $article = $stmt->fetch();

    $paragraphs = explode("\n", $article['fulltext']);

    $stmt = $db->prepare('SELECT * FROM comments JOIN users USING
(username) WHERE news_id = ?');
    $stmt->execute(array($_GET['id']));
    $comments = $stmt->fetchAll();
?>
<!DOCTYPE html>
<html lang="en-US">
    <head>
        <title>Super Legit News</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-
scale=1.0">
        <link href="style.css" rel="stylesheet">
        <link href="layout.css" rel="stylesheet">
        <link href="responsive.css" rel="stylesheet">
        <link href="comments.css" rel="stylesheet">
        <link href="forms.css" rel="stylesheet">
    </head>
    <body>
        <header>
            <h1><a href="list_news.php">Super Legit News</a></h1>
            <h2><a href="list_news.php">Where fake news are born!</a></h2>
            <div id="signup">
                <a href="register.html">Register</a>

```

```
<a href="login.html">Login</a>
</div>
</header>
<nav id="menu">
  <!-- just for the hamburguer menu in responsive layout -->
  <input type="checkbox" id="hamburger">
  <label class="hamburger" for="hamburger"></label>

  <ul>
    <li><a href="index.html">Local</a></li>
    <li><a href="index.html">World</a></li>
    <li><a href="index.html">Politics</a></li>
    <li><a href="index.html">Sports</a></li>
    <li><a href="index.html">Science</a></li>
    <li><a href="index.html">Weather</a></li>
  </ul>
</nav>
<aside id="related">
  <article>
    <h1><a href="#">Duis arcu purus</a></h1>
    <p>Etiam mattis convallis orci eu malesuada. Donec odio ex,
facilisis ac blandit vel, placerat ut lorem. Ut id sodales purus. Sed
ut ex sit amet nisi ultricies malesuada. Phasellus magna diam, molestie
nec quam a, suscipit finibus dui. Phasellus a.</p>
  </article>
  <article>
    <h1><a href="#">Sed efficitur interdum</a></h1>
    <p>Integer massa enim, porttitor vitae iaculis id, consequat a
tellus. Aliquam sed nibh fringilla, pulvinar neque eu, varius erat. Nam
id ornare nunc. Pellentesque varius ipsum vitae lacus ultricies, a
dapibus turpis tristique. Sed vehicula tincidunt justo, vitae varius
arcu.</p>
  </article>
  <article>
    <h1><a href="#">Vestibulum congue blandit</a></h1>
    <p>Proin lectus felis, fringilla nec magna ut, vestibulum
volutpat elit. Suspendisse in quam sed tellus fringilla luctus quis non
sem. Aenean varius molestie justo, nec tincidunt massa congue vel. Sed
tincidunt interdum laoreet. Vivamus vel odio bibendum, tempus metus
vel.</p>
  </article>
</aside>
<section id="news">
  <article>
    <header>
```

```

<h1>
    <a href="news_item.php?id=<?=$article['id']?>"><?
=$article['title']?></a>
</h1>
</header>

<p><?=$article['introduction']?></p>
<?php foreach ($paragraphs as $paragraph) { ?>
<p><?=$paragraph?></p>
<?php } ?>
<section id="comments">
    <h1><?=count($comments)?> Comments</h1>
    <?php foreach ($comments as $comment) { ?>
        <article class="comment">
            <span class="user"><?=$comment['name']?></span>
            <span class="date"><?=date('Y-m-d H:i:s',
$comment['published']);?></span>
            <p>Aliquam maximus commodo dui, ut viverra urna vulputate
et. Donec posuere vitae sem sed vehicula. Sed in erat eu diam fringilla
sodales. Aenean lacinia vulputate nisl, dignissim dignissim nisl. Nam
at nibh mollis, facilisis nibh sit amet, mattis urna. Maecenas.</p>
        </article>
    <?php } ?>
    <form action="action_add_comment.php" method="post">
        <h2>Add your voice...</h2>
        <label>Username
            <input type="text" name="username">
        </label>
        <label>E-mail
            <input type="email" name="email">
        </label>
        <label>Comment
            <textarea name="comment"></textarea>
        </label>
        <input type="submit" value="Reply">
    </form>
</section>
<footer>
    <span class="author"><?=$article['name']?></span>
    <?php $tags = explode(' ', $article['tags']); ?>
    <span class="tags">
        <?php foreach ($tags as $tag) { ?>
            <a href="list_news.php?tag=<?=$tag?>">#<?=$tag?></a>
        <?php } ?>
    </span>

```



```
<span class="date"><?=date('Y-m-d H:i:s',  
$article['published']);?></span>  
  <a class="comments" href="news_item.php?id=<?=$article['id']?  
>#comments"><?=count($comments)?></a>  
  </footer>  
</article>  
</section>  
<footer>  
  <p>&copy; Fake News, 2017</p>  
</footer>  
</body>  
</html>
```

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6 .

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Download the  solution for exercise 6 .

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7 .

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Download the  solution for exercise 7 .

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