

Sample midterm 1 key

1. a)

kkk
mmm
ooo

b)

kkk	
hhh	ooo mmm
ddd	
^..^	

2.

```
<ul><li>
<strong>Inigo:</strong>
Hello. My name is Inigo Montoya. You killed
my father. Prepare to die.</li>
<li class="rugen">
<strong>Count Rugen:</strong>
No!</li>
<li><strong>Inigo:</strong>
Offer me money! Power, too. Promise me that!</li>
<li class="rugen"><strong>Count Rugen:</strong>
All that I have and more! Please!</li>
<li><strong>Inigo:</strong>
Offer me everything I ask for!</li>
<li class="rugen"><strong>Count Rugen:</strong>
Anything you want.</li>
<li><strong>Inigo:</strong>
I want my father back, you son of a ....</li></ul>
```

```
ul {
    float: right;
    margin-right: 50px;
    width: 16em;
}
img {
    float: left;
    margin-bottom: 5pt;
    margin-right: 5pt;
}
li {
    clear: both;
    margin-bottom: 5pt;
}
li.rugen { background-color: #DDDDDD; }
strong {
    font-family: sans-serif;
    text-decoration: underline;
}
```

```

3. <!-- order.php -->
<form action="order-submit.php" method="post">
  <div>
    Food item:
    <select name="food">
      <?php foreach (glob("*.jpg") as $image) { ?>
        <option> <?= str_replace(".jpg", "", $image) ?> </option>
      <?php } ?>
    </select>
  </div>
  <div> Quantity: <input type="text" name="quantity" size="2" /> </div>
  <div> <input type="submit" value="Order" /> </div>
</form>

```

```

<?php
# order-submit.php
if (!isset($_POST["food"]) || !isset($_POST["quantity"])) {
  header("HTTP/1.1 400 Invalid Request");
  die();
}

$food = $_POST["food"];
$quantity = $_POST["quantity"];
$found = FALSE;
foreach (file("inventory.txt") as $line) {
  list($item, $number, $price) = explode("\t", $line);      # list() is
optional
  if ($item == $food && $number >= $quantity) {
    $total = $quantity * $price;
    ?>

    <p>
      Order successful!
      $<?= $total ?> is your total price.
      Here is what you ordered:

      <?php for ($i = 0; $i < $quantity; $i++) { ?>
        
        <?php } ?>
    </p>

    <?php
    $found = TRUE;
    break;                                                    # optional
  }
}

if (!$found) { ?>
  <p>Sorry, we don't have <?= $quantity ?> of '<?= $food ?>' in
  stock.</p>
<?php } ?>

```

4.

```
SELECT DISTINCT r1.role
FROM roles r1
JOIN movies m1 ON m1.id = r1.movie_id
JOIN roles r2 ON r1.role = r2.role
JOIN movies m2 ON m2.id = r2.movie_id
WHERE r1.movie_id <> r2.movie_id
AND m1.name LIKE 'Pirates of the Caribbean%'
AND m2.name LIKE 'Pirates of the Caribbean%'
ORDER BY r1.role;
```