utils.php

<?php

/\*

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https://php.radford.edu/~itec325/2016spring-ibarland/Homeworks/hw02.html

\*/

/\* test : ANY, ANY → void

Determines if the first value is equal to the second value, if it's not print FAIL\*/

function test ($actual, $desired) {

if (is\_string($actual) and is\_string($desired)){

$actual = trim($actual);

$desired = trim($desired);

$actual = preg\_replace('/\s+/', ' ', $actual);

$desired = preg\_replace('/\s+/', ' ', $desired);

}

if($actual === $desired){

if(PRINT\_ON\_SUCCESS) {

echo ".\n";

}

}

else {

echo "\nFAIL\n";

}

}

/\* hyperlink : string $url , string-or-boolean $linkTxt → $string

Returns a string that is an html link\*/

function hyperlink($url, $linkTxt ) {

if(is\_string($linkTxt)) {

return "<a href='$url'>$linkTxt</a>";

}

elseif (!$linkTxt) {

return "<a href='$url'>$url</a>";

}

}

/\* thumbnail : string $url , int $width → $string

Returns a string that is an html link containing an image\*/

function thumbnail ($url, $width) {

return hyperlink($url, "<img src='$url' alt='$url' width='$width' />");

}

/\* listElements : $array\_of\_strings → $string

Takes an arrray of strings, and returns a single, long string: a comma-separated list of all the elements \*/

function listElements($array){

$listSoFar ="";

$lastKey = end(array\_keys($array));

//Empty array

if(count($array) ===0) {

return "";

}

//Array with just 1 element

elseif(count($array) ===1) {

return "$array[0].";

}

//More than 1 element

else {

foreach ($array as $key => $item) {

if($key===$lastKey){

$listSoFar .=" and $item.";

}

else {

$listSoFar .= " $item,";

}

}

}

return $listSoFar;

}

/\* toc : $array\_of\_strings → $string

Takes an array of strings, and returns a string that is HTML for an un-ordered list of links to anchors within the same document \*/

function toc($array){

$result = "<ul>";

foreach ($array as $item) {

$result .= "<li>" . hyperlink("#$item",$item) . "</li>";

}

$result .= "</ul>";

return $result;

}

?>

utils-test.php

<?php

require\_once 'utils.php';

echo pluralize(0,"cup") . " ";

echo pluralize(1,"chair") . " ";

echo pluralize(5,"computer") . " ";

?>

silly-page.php

<?php

require\_once 'utils.php';

echo "<html>\n";

echo " <head>\n";

echo " <title>hw01 sample output</title>\n";

echo " </head>\n";

echo " <body>\n";

echo " <p> It's raining " . pluralize(11,"cat") . " and " . pluralize(7,"dog") . ".</p>\n";

echo " </body>\n";

echo "</html>\n";

?>