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<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">

<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<title>Beasts Multi Combine and Multiorder (with choice function)</title>

</head>

<body>
<?php
#this program selects all the animals from a database and prints them out
#a hyperlink list at the top of the page then allows the user to sort the list
#Aug 2011
#written as an alternative to Ullman ed2 p305
#less elegant than rev2 but needs no css file to position sort links
require_once ('/connect/animal.inc.php'); //db connection file

$query = "SELECT id_num, first_name, animal_name FROM beasts";
$result = mysql_query($query);
while ($row = mysql_fetch_array($result, MYSQL_ASSOC)){
    $id[] = $row['id_num'];//make the id (primary key) array
    $beast[] = $row['animal_name']; //make the beast array
    $petname[] = $row['first_name'];//make the first name array
}

function double_array_combine($array1, $array2, $array3){//thanks to
phpforbeginners.com
    $multi_array = array();
    $array1 = array_values($array1);
    $array2 = array_values($array2);
    $array3 = array_values($array3);

    foreach($array1 as $key1 => $value1){
        $multi_array[(string)$value1][0] = $array1[$key1];
        $multi_array[(string)$value1][1] = $array2[$key1];
        $multi_array[(string)$value1][2] = $array3[$key1];
    }
    return $multi_array;
}

function runchoice(){//to save repetitive typing in the conditionals for the
links
    global $game;
    global $choice;//has to be globals or it won't work
    array_multisort($choice, SORT_ASC, $game);
    echo '<div>';
    foreach($game as $k => $herd){
        foreach($herd as $ikey => $ivalue){
            echo $ivalue . ' ';
        }
        echo "\n<br />";
    }
    echo '</div>';
}

function runchoice_r(){//as function runchoice() but in reverse
    global $game;
    global $choice;//has to be globals or it won't work
    array_multisort($choice, SORT_DESC, $game);
    echo '<div>';
    foreach($game as $k => $herd){

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        foreach($herd as $ikey => $ivalue){
            echo $ivalue . ' ';
        }
        echo "\n<br />";
    }
    echo '</div>';
} //end function runchoice()
$game = double_array_combine($id, $petname, $beast); //call function

$tmp = array();
$tmp1 = array();
$tmp2 = array();

foreach($game as &$ma){
    $tmp[] = &$ma[0]; //sort by id number from database
    $tmp1[] = &$ma[1]; //sort by first/pet names
    $tmp2[] = &$ma[2]; //sort by animal/surnames
}

#default values for variables URL + to indicate sort type
$order1 = "{$_SERVER['PHP_SELF']}?order=id";
$order2 = "{$_SERVER['PHP_SELF']}?order=petname";
$order3 = "{$_SERVER['PHP_SELF']}?order=animal";

#conditional depending on appended values.
#link used as a toggle between ASC and DESC
switch ($_GET['order']){
    case 'id':
        $order1="{$_SERVER['PHP_SELF']}?order=idr";
        break;
    case 'idr':
        $order1="{$_SERVER['PHP_SELF']}?order=id";
        break;
    case 'petname':
        $order2="{$_SERVER['PHP_SELF']}?order=petnamer";
        break;
    case 'petnamer':
        $order2="{$_SERVER['PHP_SELF']}?order=petname";
        break;
    case 'animal':
        $order3="{$_SERVER['PHP_SELF']}?order=animalr";
        break;
    case 'animalr':
        $order3="{$_SERVER['PHP_SELF']}?order=animal";
        break;
    default:
        $order1="{$_SERVER['PHP_SELF']}?order=id";
        break;
}

#links using variables so user can choose/toggle sort type
echo '<p><a href = "' . $order1 . '"> ID Sort </a>&nbsp; ' . "</p>";
echo '<a href = "' . $order2 . '"> Petname Sort</a>&nbsp; ' . "</p>";
echo '<a href = "' . $order3 . '"> Animal Sort</a></p>' . "</p>";

if(isset($_GET['order'])){ //could be done with switch
    if($_GET['order'] == 'id'){
        $choice=$tmp; //choose column to sort
        runchoice(); //call function to echo results ASC
    }elseif($_GET['order'] == 'idr'){
        $choice=$tmp; //choose column to sort
        runchoice_r(); //call function DESC
    }elseif($_GET['order'] == 'petname'){
        $choice=$tmp1;
    }
}

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runchoice()); //call function
}elseif($_GET['order'] == 'petnamer'){
    $choicel=$tmp1;//choose column to sort
    runchoicel_r(); //call function
}elseif($_GET['order'] == 'animal'){
    $choicel=$tmp2;
    runchoicel();
}elseif($_GET['order'] == 'animallr'){
    $choicel=$tmp2;//choose column to sort
    runchoicel_r(); //call function
}else{
    $choicel=$tmp;//choose column to sort
    runchoicel(); //call function
}
}else{
    $choicel=$tmp;//choose column to sort
    runchoicel(); //call function
}
}
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