

ex02a_SoaGatewayEmpListSorted.php

```

<?php

/*
 * This example demonstrates usage of the "list" function exposed by any
 * Adabas SOA Gateway "WebService" from PHP, retrieving selected records
 * from the Adabas demo file "Employees", and formatting it, in 4 easy steps.
 */

/*
 * Step 1: Instantiate the PHP "SoapClient" class
 */
try {
    $soapclient = new SoapClient("http://localhost:8022/adabas_EmployeesMini?WSDL");
} catch (SoapFault $soapfault) {
    echo "<pre>";
    print_r($soapfault);
    echo "</pre>";
    return;
}

/*
 * Step 2: Build the key ("descriptor") array, due to parser requirements ALL
 * key elements need to be specified, but elements may be left empty
 * when unused.
 */
$listkey = array(
    'personnel_id' => '50005*',
    'first_name' => '',
    'name' => '',
    'city' => '');

/*
 * Step 3: Execute the "list" request, passing the key array as the only parameter,
 * the response object will consist of an "adabasEmployees" element containing
 * an array of "adabasEmployee" elements.
 */
try {
    $listresponse = $soapclient->list($listkey);
} catch (SoapFault $soapfault) {
    echo "<pre>";
    print_r($soapfault);
    echo "</pre>";
    return;
}

echo "List of Employees by personnel id = 50005* - Default sort order<br><br>";
formatResponse($listresponse);

/*
 * Step 4: Build the SOAP Header structure to trigger a DESCENDING
 * read instead of an ascending one.
 */

$headers = array(
    'SOAGateway_Internal_Adabas_Sort_Order' => "city"
);

$header = new SoapHeader("http://www.risaris.com/namespaces/xmiddle",
    "adabasEmployeeHeader",
    $headers, false);

$soapclient->__setSoapHeaders(array($header));

/*
 * Step 5: Execute the "list" request, passing the key array as the only parameter,
 * the response object will consist of an "adabasEmployees" element containing
 * an array of "adabasEmployee" elements.
 */
try {
    $listresponse = $soapclient->list($listkey);
} catch (SoapFault $soapfault) {
    echo "<pre>";
    print_r($soapfault);
    echo "</pre>";
    return;
}

echo "<br><hr><br>List of Employees by personnel id = 50005* - now sorted by City<br><br>";
formatResponse($listresponse);

/*
 * Sub: Format the Employee records nicely into a HTML table.
 */
function formatResponse($listresponse){
    echo "<table border=1 cellpadding=5>";
    echo "<tr><th>Personnel Id</th><th>Name</th><th>First Name</th><th>City</th><th width=200>Address Line</td>";

    /*
     * Loop through all "adabasEmployee" elements, creating a table row for every single one
     */
    if ( !isset($listresponse->adabasEmployees->adabasEmployee) )
    {
        $employees = $listresponse->adabasEmployees->adabasEmployee;
        if (!is_array($employees))
            $employees = $listresponse->adabasEmployees;
    }
}

```

```
        foreach ($Employees as $Employee) {
            echo "<tr><td>$Employee->personnel_id</td><td>$Employee->name</td><td>$Employee->first_name</td><td>$Employee->city</td><td>";
            echo "<table>";

            if (!is_array($Employee->address_line)) {
                echo "<tr><td width=200>$Employee->address_line</td></tr>";
            } else {
                foreach ($Employee->address_line as $addr) {
                    echo "<tr><td width=200>$addr</td></tr>";
                }
            }
            echo "</table>";
            echo "</td></tr>";
        }

    }

    echo "</table>";
}
/*
 *      Proceed to ex03_SoaGatewayEmpAdd.php - Add a new employee record
 */
?>
```