

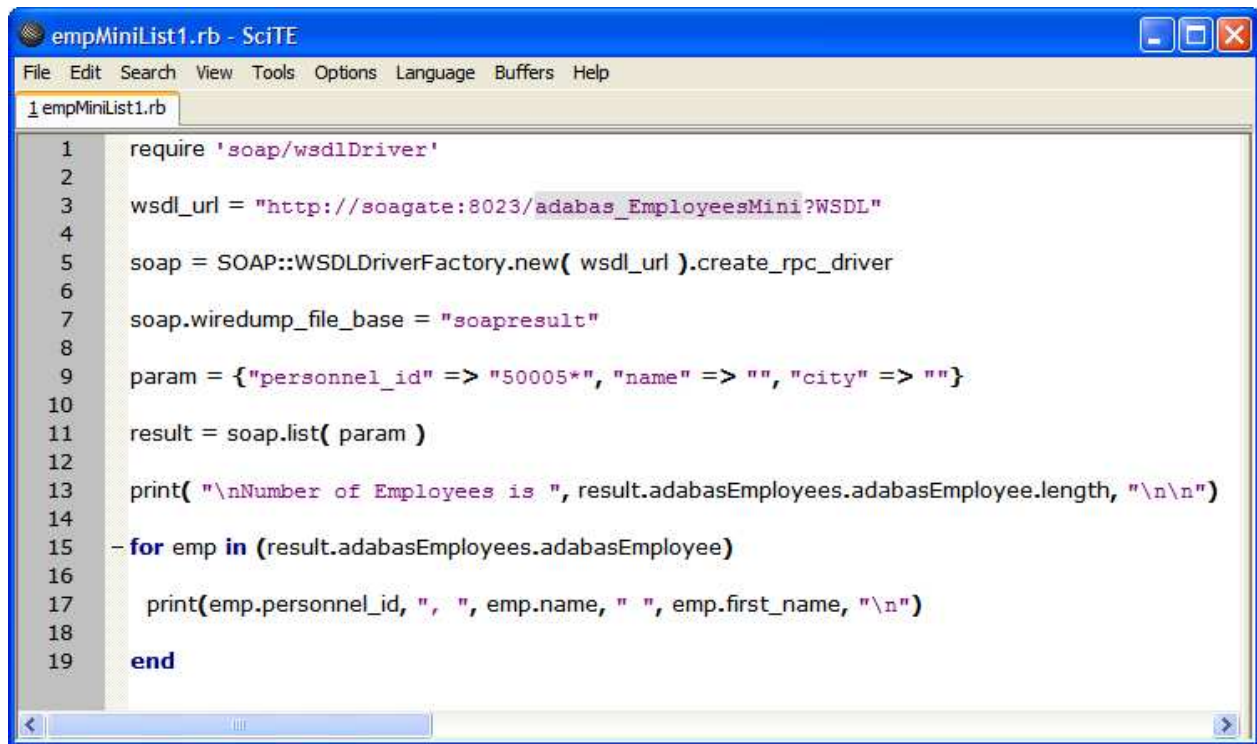
Accessing a SOA Gateway Resource from a Ruby program

Ruby ([downloadable here](#)) is an Open Source object oriented language with a very simple, yet powerful SOAP interface.

Running a Ruby program

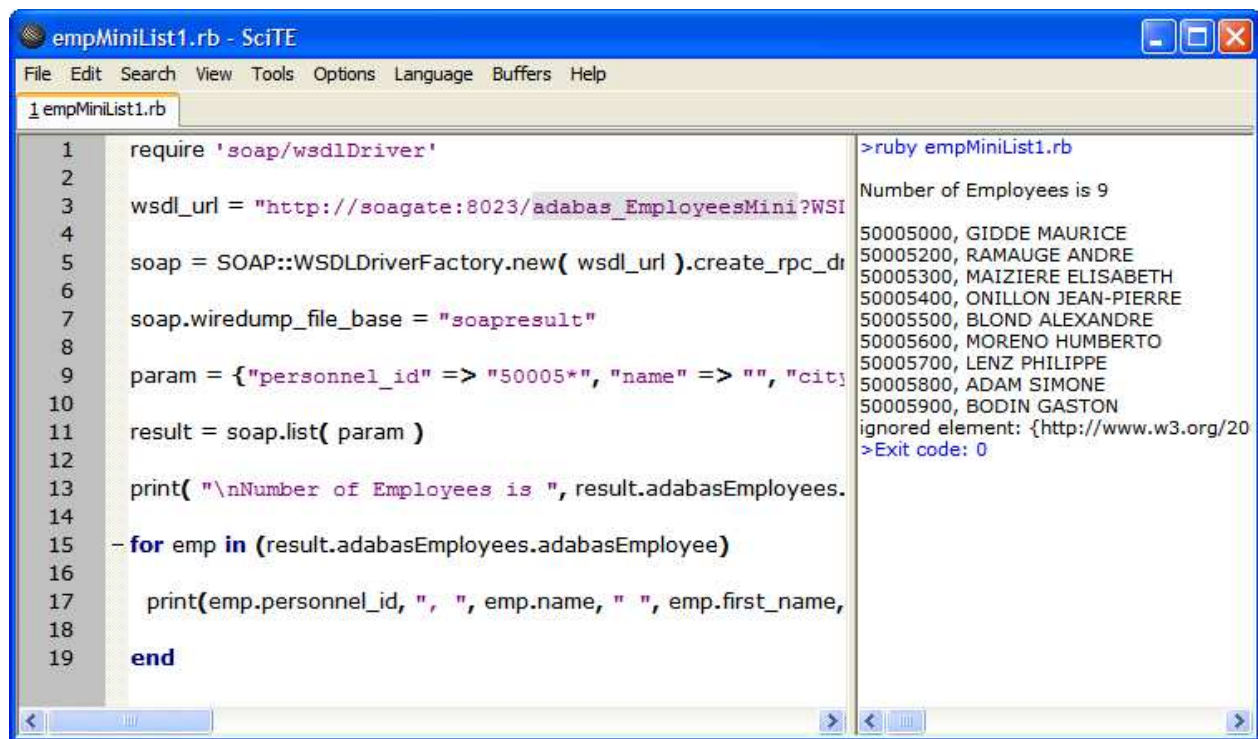
Ruby comes with a very powerful editor, SciTE, which not only allows editing, but also compiling & execution of programs.

This is an example of a complete Ruby program listing all Employees with personnel-IDs starting with 50005*, using the 'adabas_EmployeesMini' Resource that comes with the sample SOA Gateway configuration.



```
empMiniList1.rb - SciTE
File Edit Search View Tools Options Language Buffers Help
1 empMiniList1.rb
1  require 'soap/wsdlDriver'
2
3  wsdl_url = "http://soagate:8023/adabas_EmployeesMini?WSDL"
4
5  soap = SOAP::WSDLDriverFactory.new( wsdl_url ).create_rpc_driver
6
7  soap.wiredump_file_base = "soapresult"
8
9  param = {"personnel_id" => "50005*", "name" => "", "city" => ""}
10
11  result = soap.list( param )
12
13  print( "\nNumber of Employees is ", result.adabasEmployees.adabasEmployee.length, "\n\n")
14
15  - for emp in (result.adabasEmployees.adabasEmployee)
16
17      print(emp.personnel_id, " ", emp.name, " ", emp.first_name, "\n")
18
19  end
```

When running this program, by either pressing the F5 key, or selecting Tools->Go from the SciTE menu, an output window will be attached to the editing window, and show the result of the Ruby query against SOA Gateway



The screenshot shows a SciTE window titled 'empMiniList1.rb - SciTE'. The left pane contains a Ruby script that uses the 'soap/wsdlDriver' library to call a SOAP service. The script sets a 'wsdl_url' to 'http://soagate:8023/adabas_EmployeesMini?WSI', creates a 'SOAP::WSDLDriverFactory' object, and calls the 'list' method with a parameter for personnel ID '50005*'. The right pane shows the output of the script execution, which includes the number of employees (9) and a list of employee details: 50005000, GIDDE MAURICE; 50005200, RAMAUGE ANDRE; 50005300, MAIZIERE ELISABETH; 50005400, ONILLON JEAN-PIERRE; 50005500, BLOND ALEXANDRE; 50005600, MORENO HUMBERTO; 50005700, LENZ PHILIPPE; 50005800, ADAM SIMONE; 50005900, BODIN GASTON. The output also shows an ignored element and an exit code of 0.

```
1 require 'soap/wsdlDriver'
2
3 wsdl_url = "http://soagate:8023/adabas_EmployeesMini?WSI"
4
5 soap = SOAP::WSDLDriverFactory.new( wsdl_url ).create_rpc_driver
6
7 soap.wiredump_file_base = "soapresult"
8
9 param = {"personnel_id" => "50005*", "name" => "", "city" => ""}
10
11 result = soap.list( param )
12
13 print( "\nNumber of Employees is ", result.adabasEmployees.employees.size )
14
15 for emp in (result.adabasEmployees.adabasEmployee)
16   print(emp.personnel_id, " ", emp.name, " ", emp.first_name, " ", emp.last_name, "\n")
17 end
18
19 end
```

>ruby empMiniList1.rb

Number of Employees is 9

50005000, GIDDE MAURICE
50005200, RAMAUGE ANDRE
50005300, MAIZIERE ELISABETH
50005400, ONILLON JEAN-PIERRE
50005500, BLOND ALEXANDRE
50005600, MORENO HUMBERTO
50005700, LENZ PHILIPPE
50005800, ADAM SIMONE
50005900, BODIN GASTON
ignored element: {http://www.w3.org/2001/XMLSchema-instance}nil
>Exit code: 0