

Sub-Report tutorial for iReport

Lets create a sub-report call Employee's Address using sub-report features

Database Schema

Employee

ID	integer
first-name	char(30)
last-name	char(30)

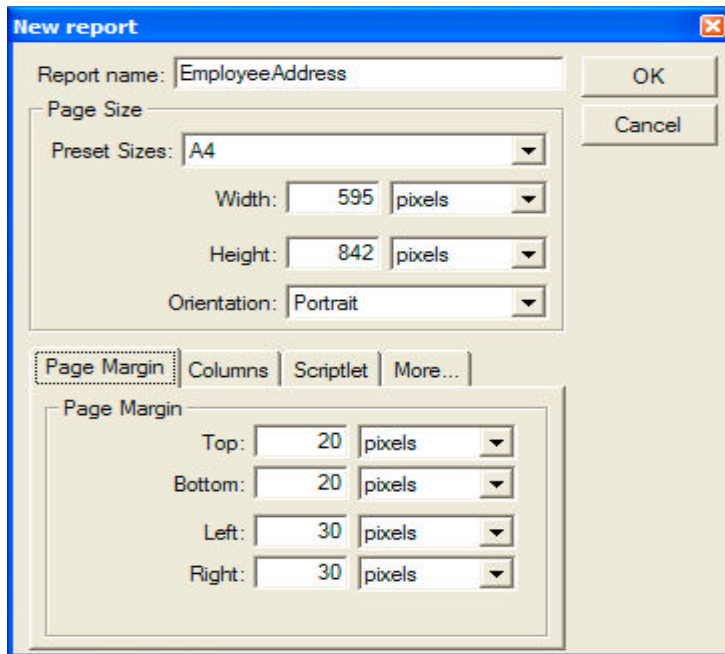
Address

ID	integer
Street	char(30)
City	char(30)
State	char(10)
Country	char(30)
Postal Code	char(30)

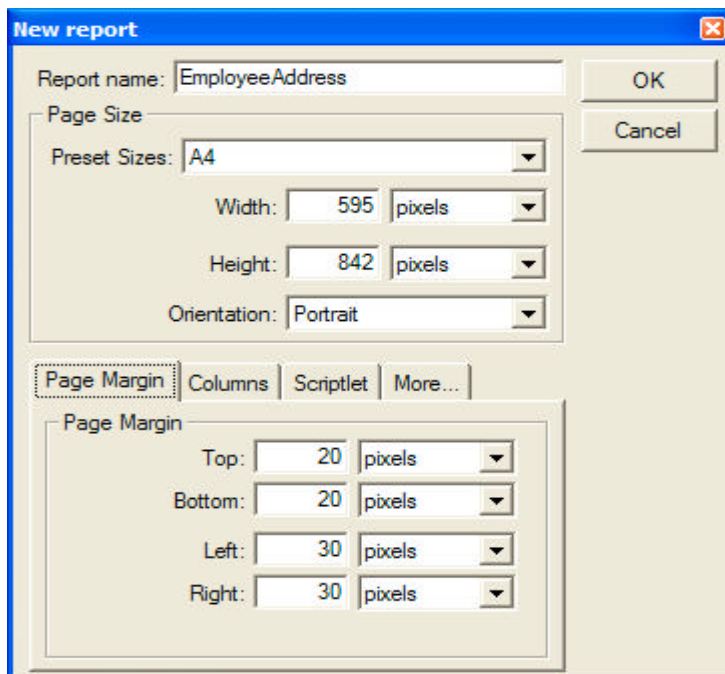
Each employee can have 0 or more address, we will use the sub-report feature in iReport to generate this Report.

We are assuming the tables are created and the data is populated.

1. Start iReport.
2. Click on the menu File->New

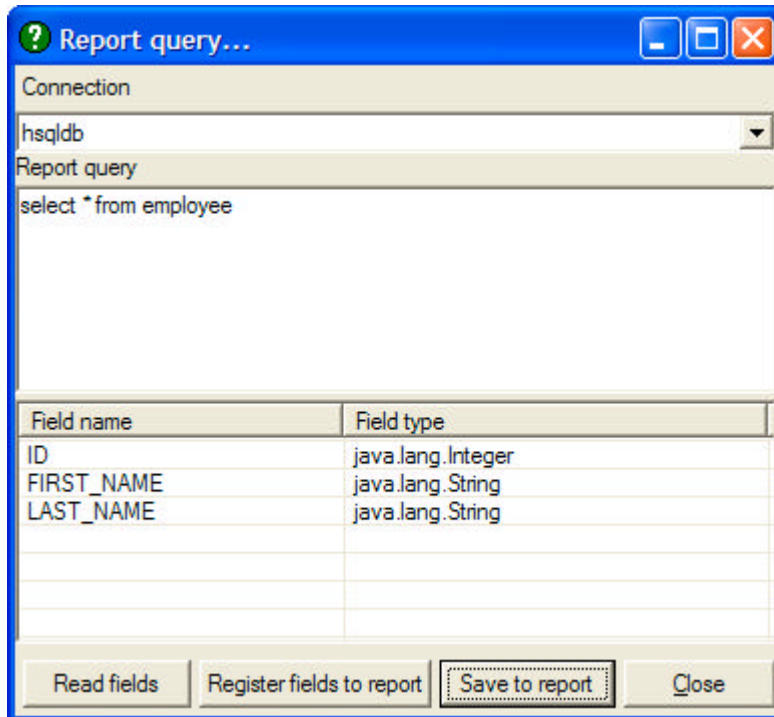


3. Enter the name EmployeeAddress and press OK.

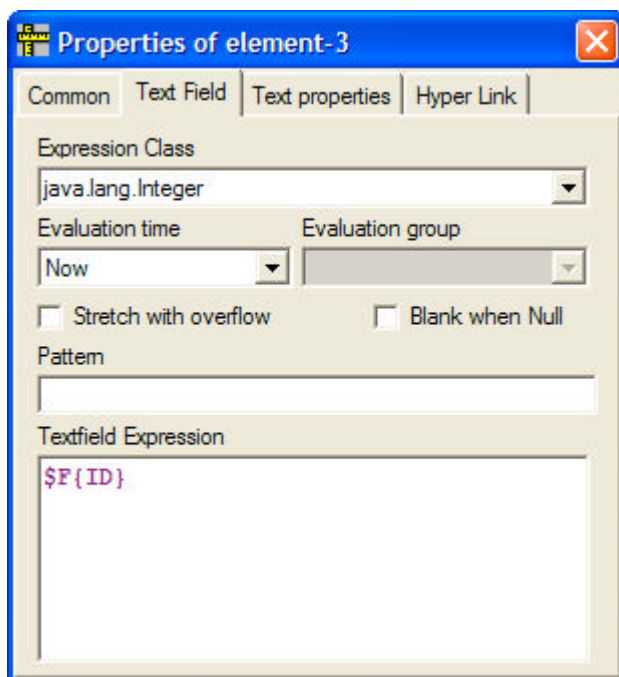


4. Save the report by pressing Ctrl-S or File→Save from the menu.

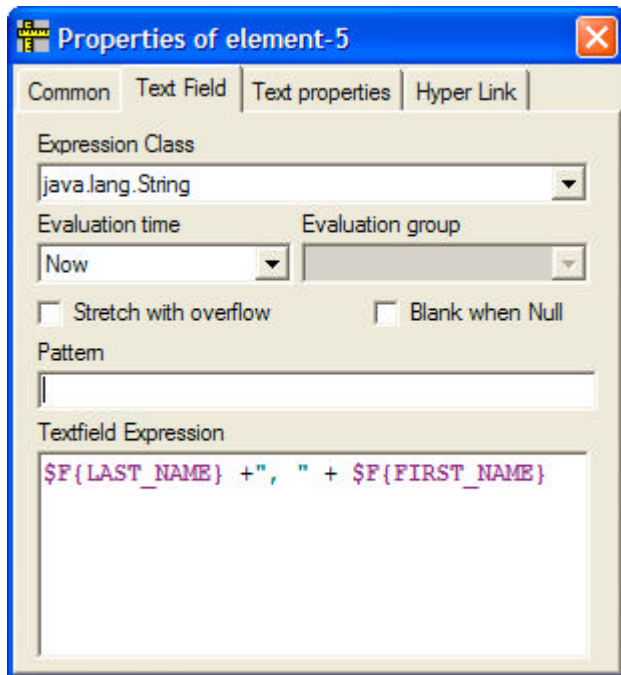
5. Use the Database->Connection menu option to setup your JDBC option.
6. Use the Database->Query to setup rest of the fields and Click on Read fields, Register fields to Report and Save to Report and the close the window.



7. Lets add a text-field by clicking text-field ICON from the toolbar in the detail band.

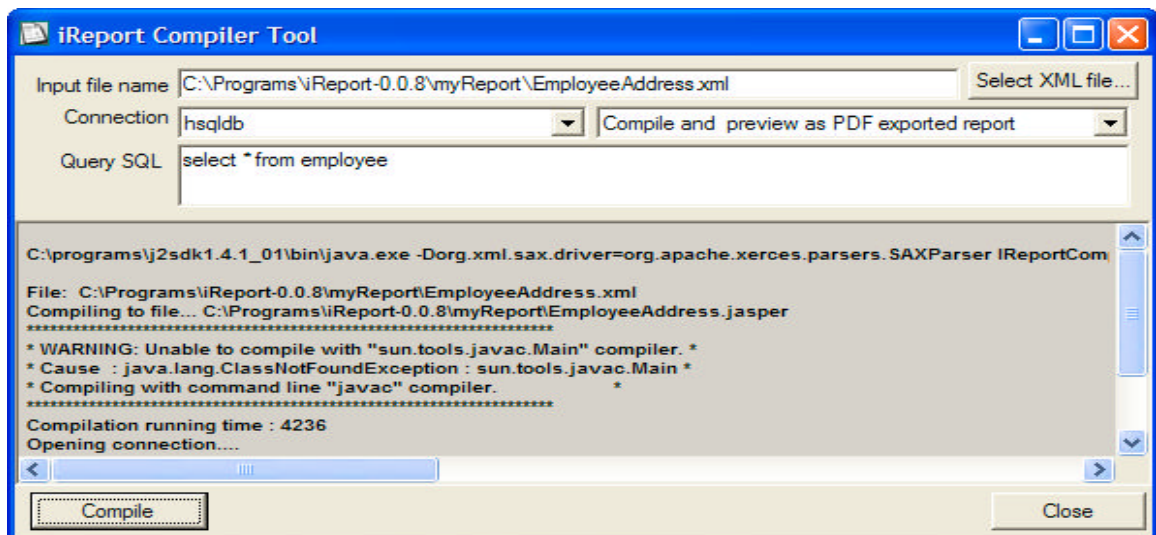


8. Lets add another text field to detail band to show last name, first name.

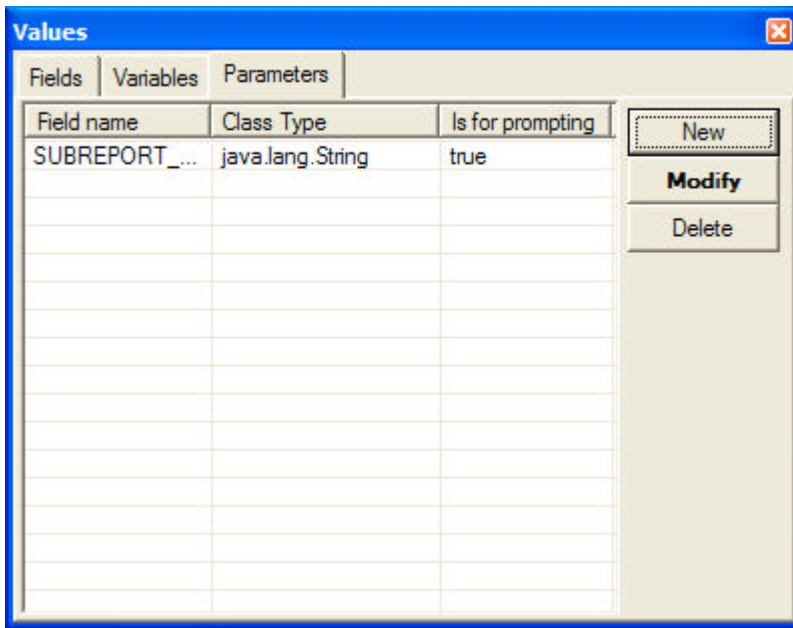


9. Save the Report by pressing Ctrl-S or the File→Save from the menu.

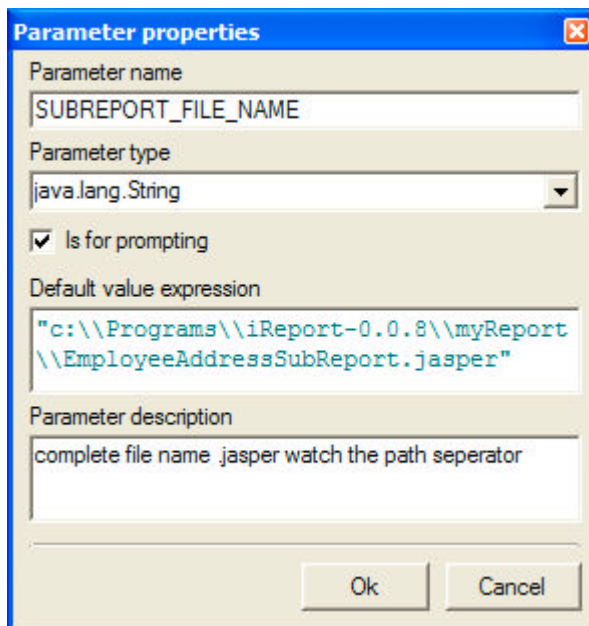
10. Let's compile and run the report now, we are just running master report at this time.



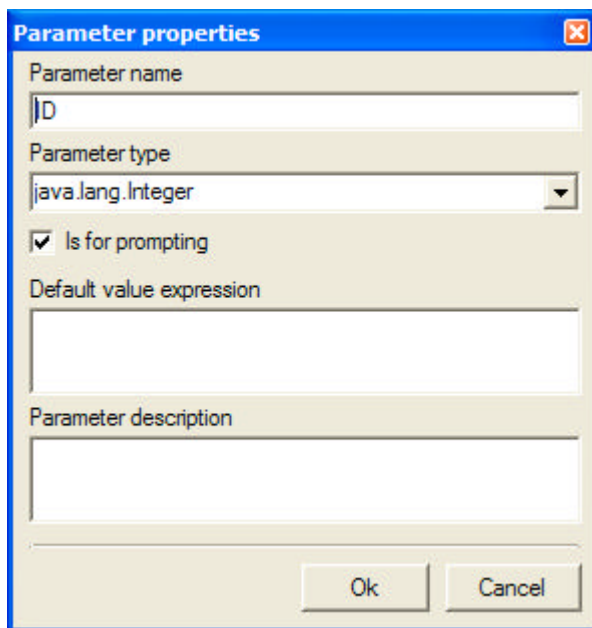
11. Now let's setup 2 parameters for the sub-report



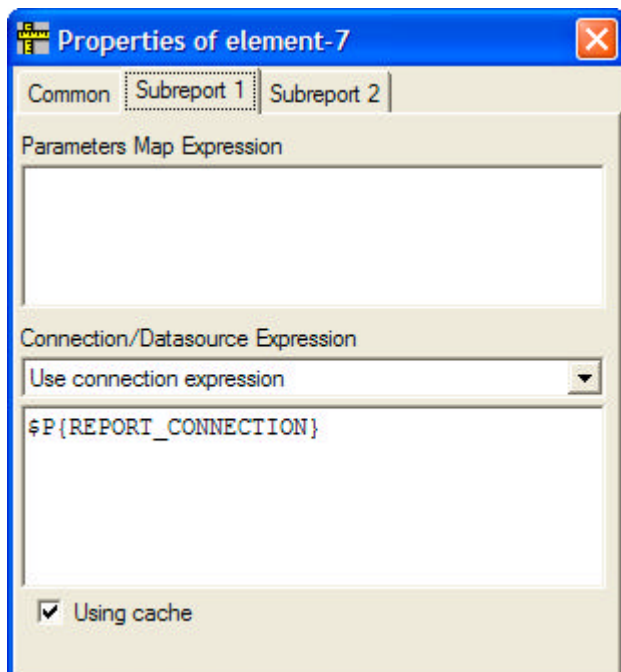
12. Put the complete path of the sub-report filename with the “.jasper” as the file extension.



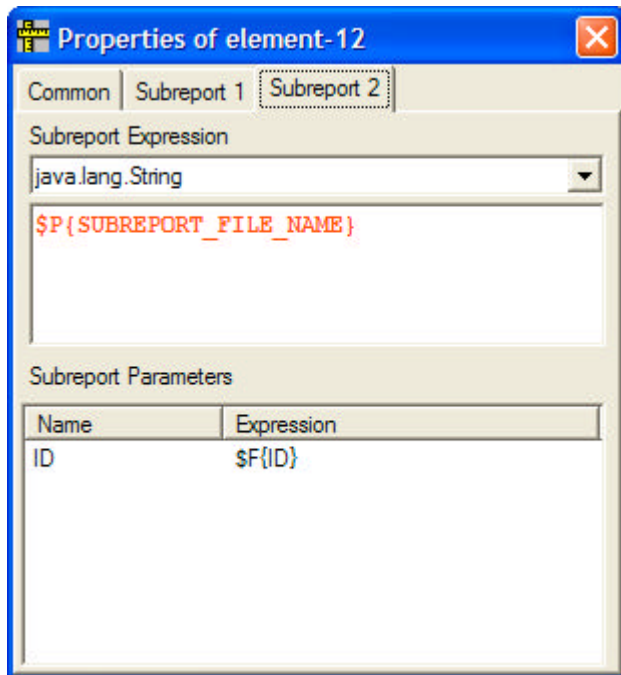
13. Define the parameter ID which will be passed to the sub-report.



14. Let add a sub-report element in the detail band and set the properties.

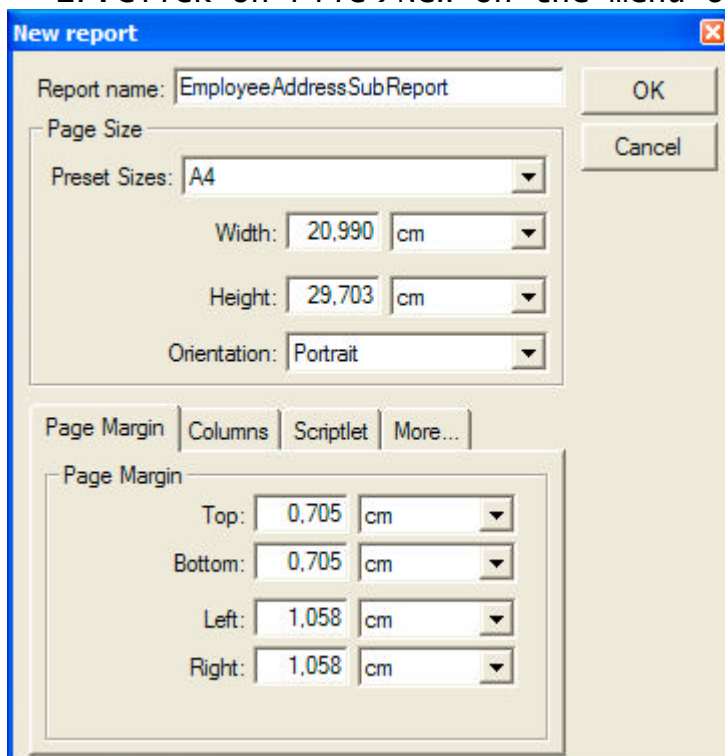


15. Add a sub-report element to the detail band and set the following properties.

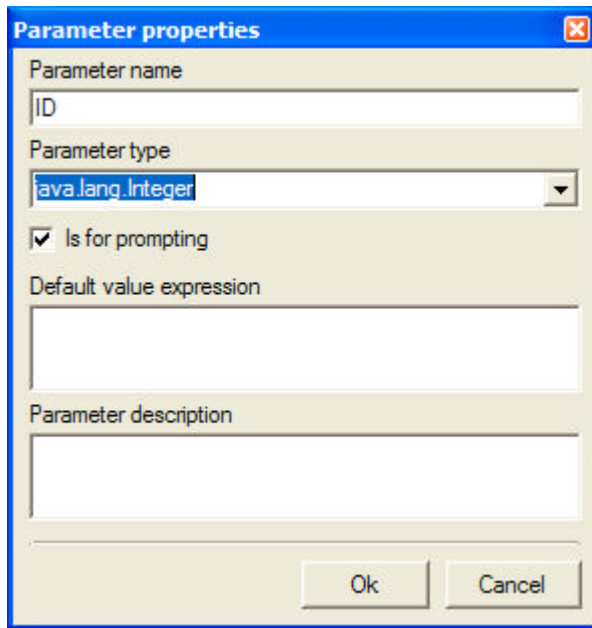


16. Let's save and close this report by pressing the key Ctrl-F4 and work on the sub-report

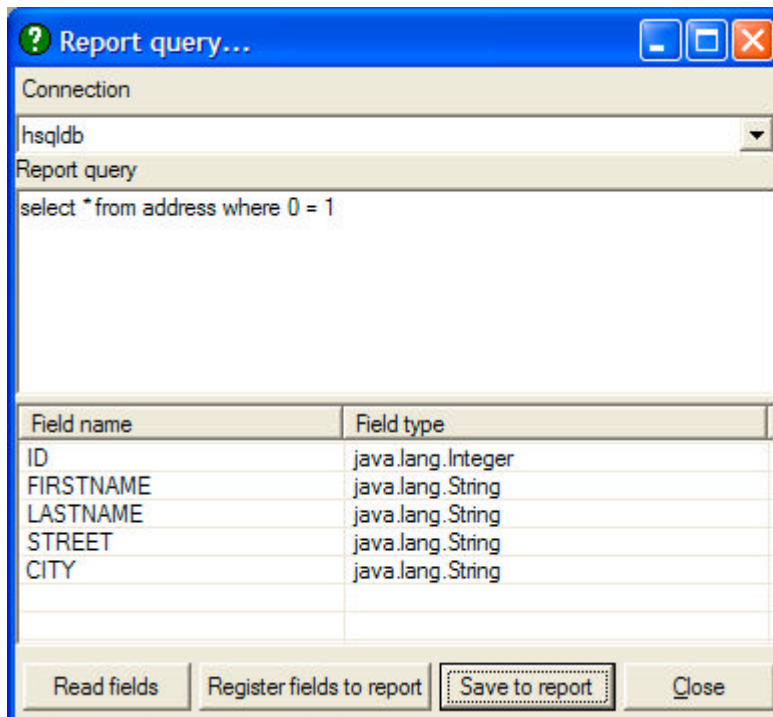
17. Click on File → New on the menu option



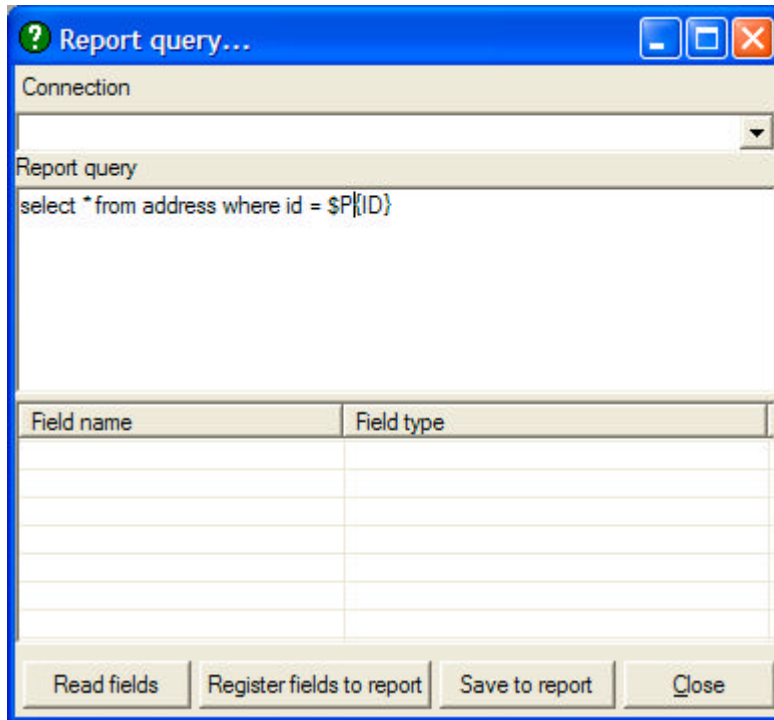
18. And now save the report with the name "EmployeeAddressSubReport" by pressing Ctrl-S.



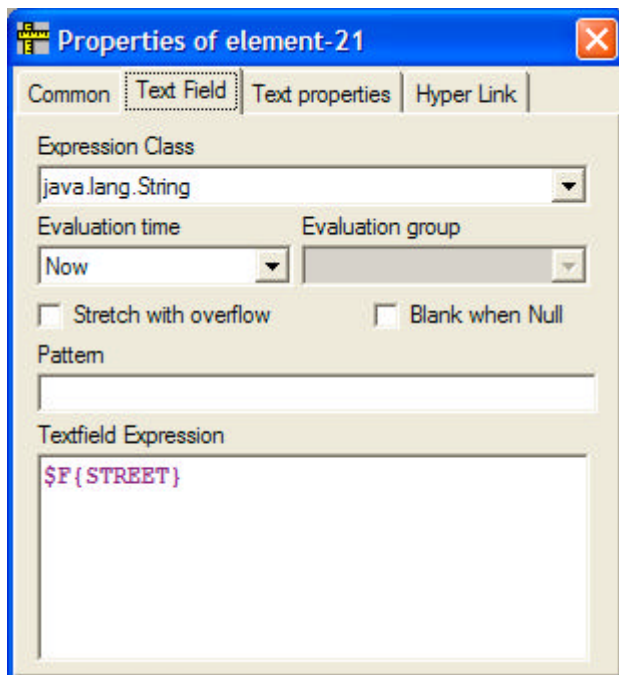
20. Lets setup a dummy query for the sub-report by using the Database→query menu option. Click on read fields, register fields to report and save to report.



21. Use the Database→Query menu option again to put the query again.



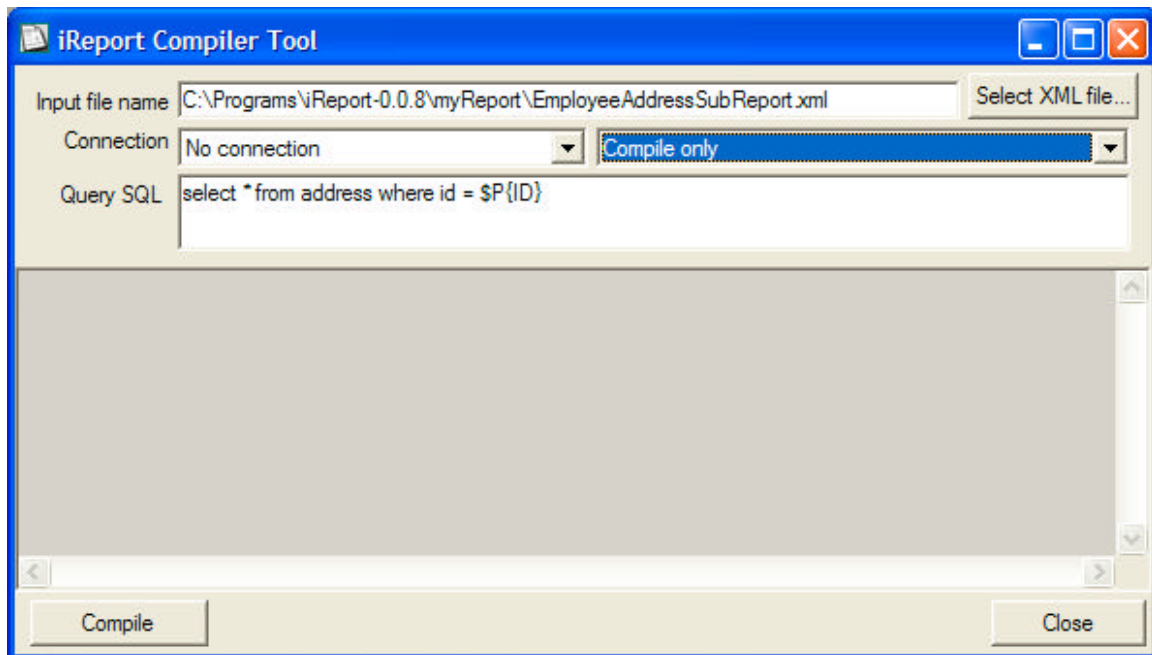
22. Add a Text-Field element in the detail band to print street.



23. Add a Text-Field element in the detail band to show rest of the field city, postal, and other remaining field.

24. Save the report by pressing Ctrl-S or selecting the File→Save menu option.

25. Compile the report by using Tools→iReportCompiler option. Remember the compile only option.



26. Save the report and close the report by pressing ctrl-F4.
27. Now we are ready to run the complete report, select again Tools→iReportCompiler.
28. Put the master report name and be sure not to put the query in the query SQL text-field and press the compile button. Now you should see the report in the Acrobat Reader window.

