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GRUPO FACEBOOK: <https://www.facebook.com/groups/MundoJava.cl/>

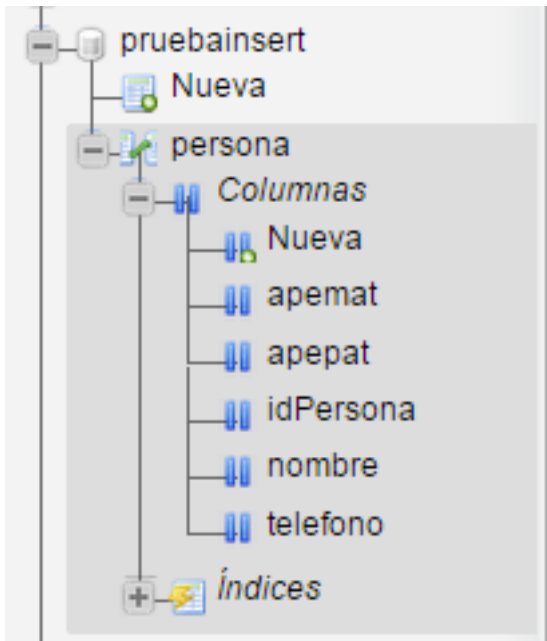
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EMAIL: Ricardo.Toledob@gmail.com

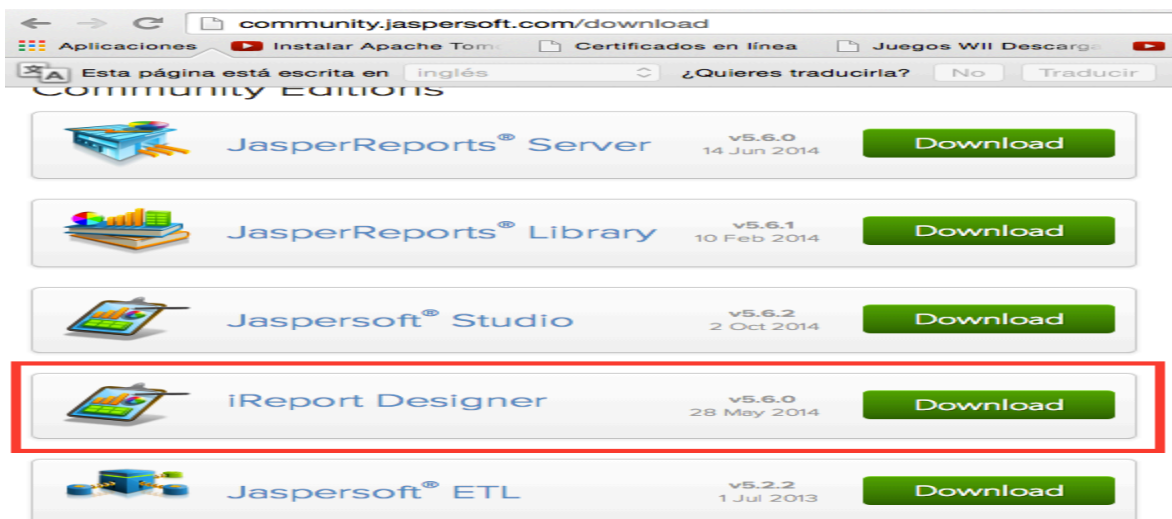
NOTA: Se asume que maneja lo mínimo de bases de datos , consultas sql y JSP.

GUIA PRACTICA REPORTES JEE + IREPORT. + MYSQL-SERVER

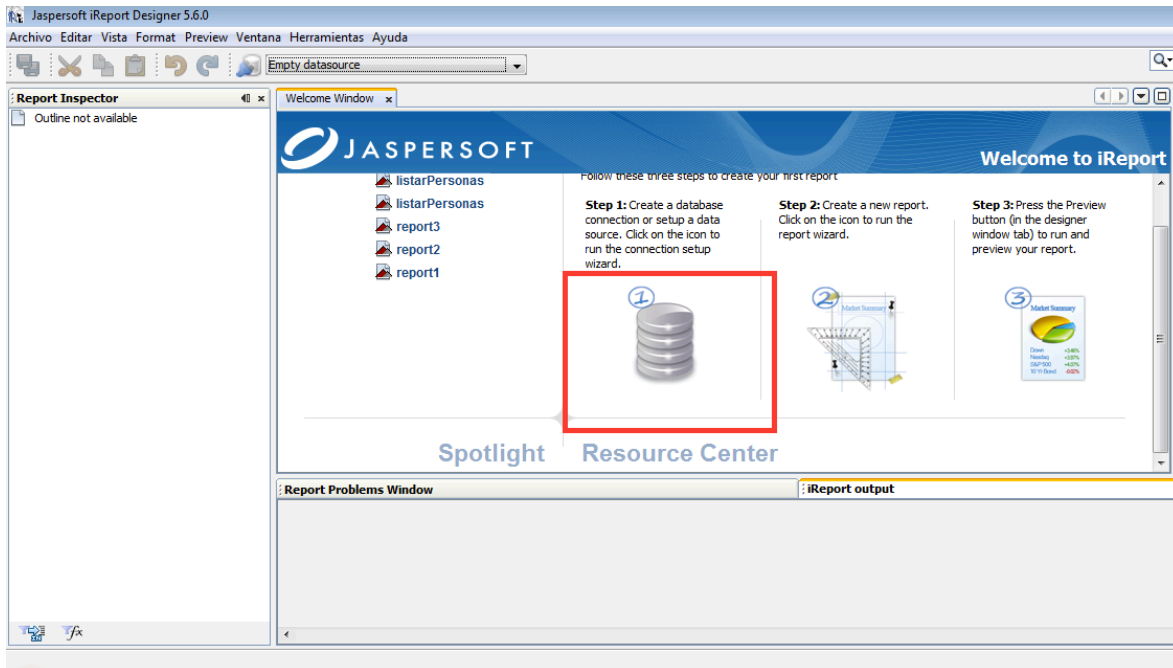
- Crear BDD



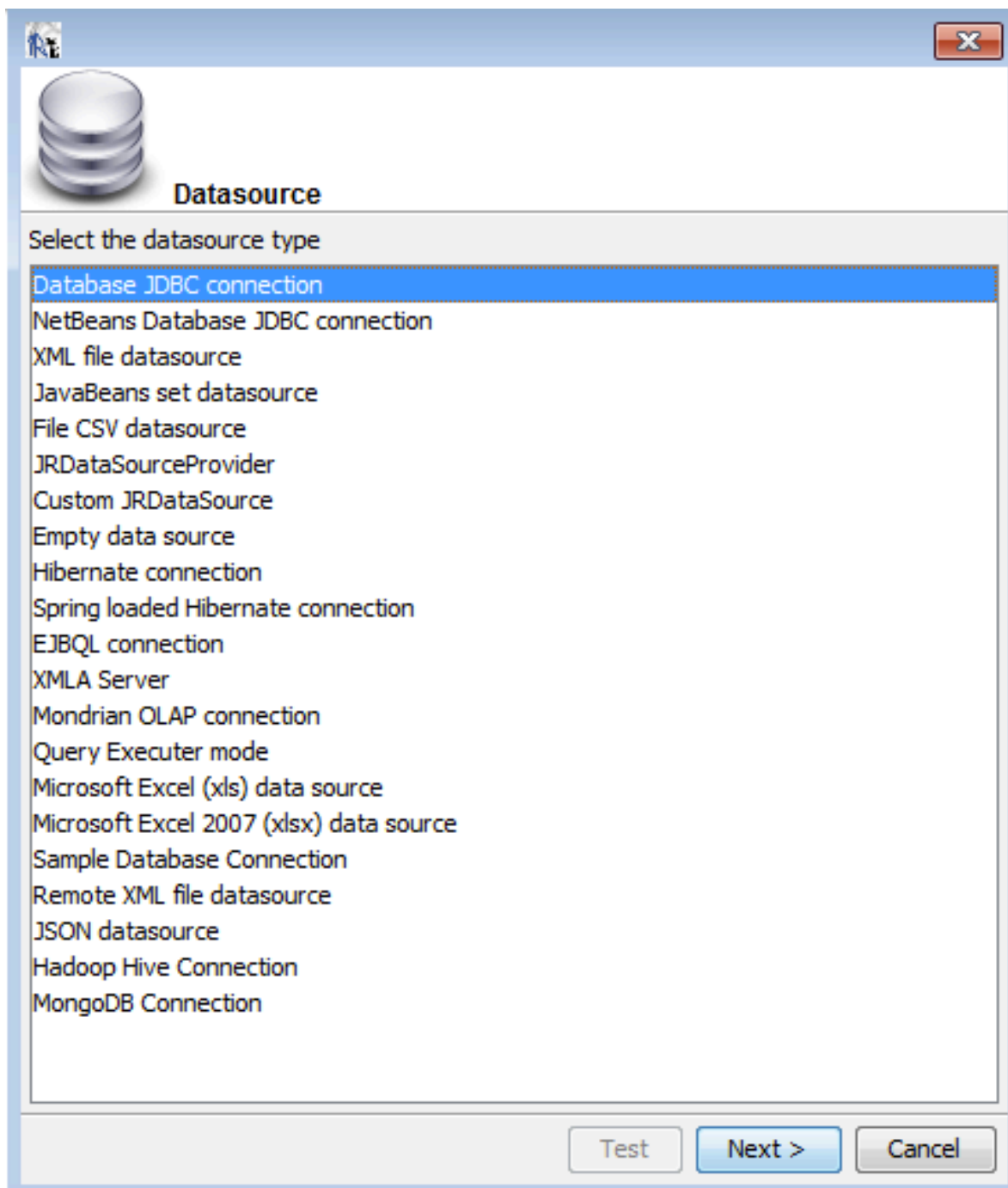
- Descargar Ireport e instalar.(<http://community.jaspersoft.com/download>)



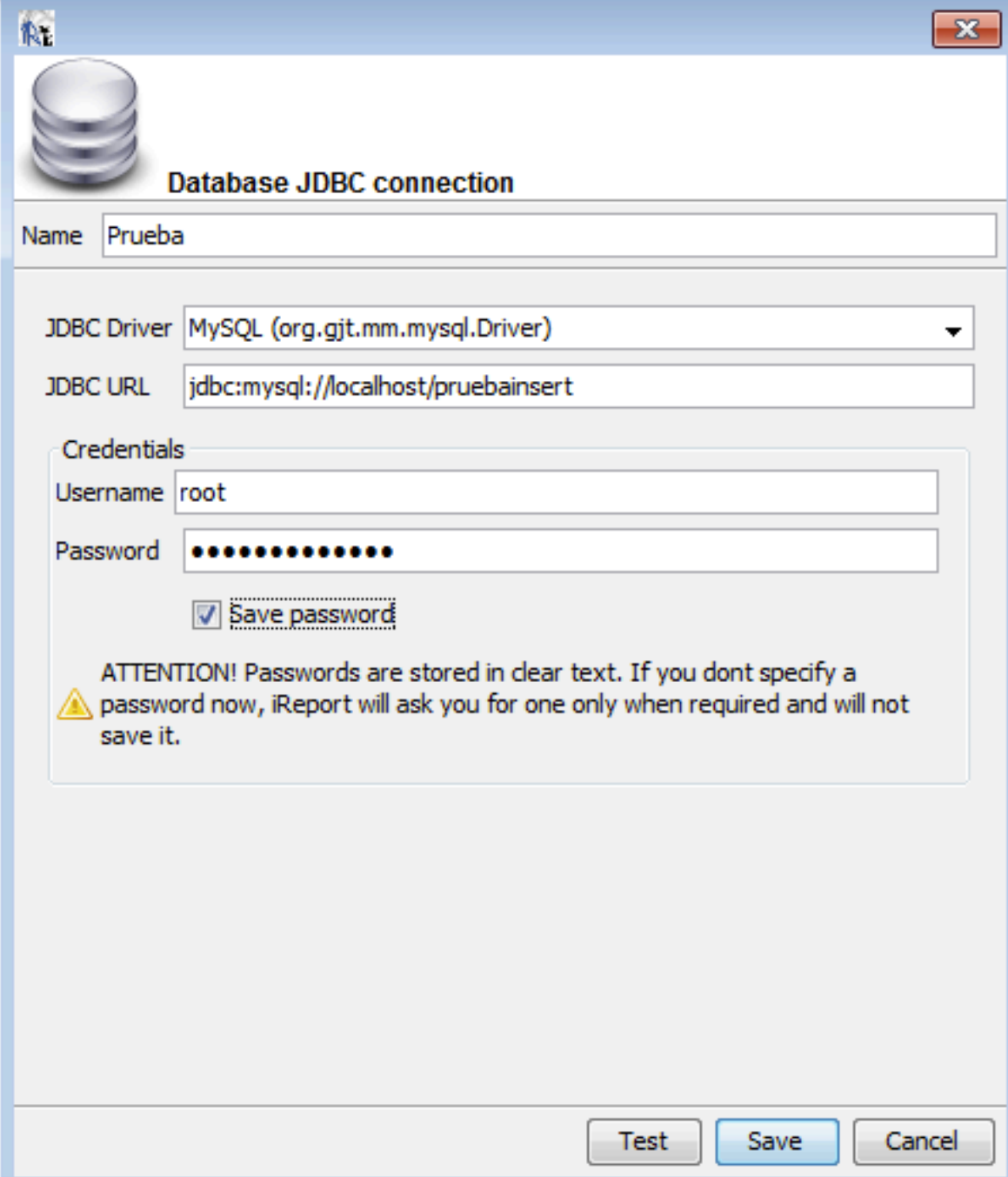
- Crear reporte.



- Seleccionar el medio de conexión, "Database JDBC connection"



- Asignar datos necesarios para la correcta conexión con la bdd.



The image shows a 'Database JDBC connection' dialog box. It has a title bar with a close button. Inside, there's a database icon and the title 'Database JDBC connection'. Below this, there's a 'Name' field with the value 'Prueba'. Then, a 'JDBC Driver' dropdown menu showing 'MySQL (org.gjt.mm.mysql.Driver)'. Below that, a 'JDBC URL' field with the value 'jdbc:mysql://localhost/pruebainsert'. A 'Credentials' section contains a 'Username' field with 'root' and a 'Password' field with masked characters. There's a checked checkbox for 'Save password'. A warning message with a yellow triangle icon states: 'ATTENTION! Passwords are stored in clear text. If you dont specify a password now, iReport will ask you for one only when required and will not save it.' At the bottom, there are three buttons: 'Test', 'Save', and 'Cancel'.

Database JDBC connection

Name:

JDBC Driver:

JDBC URL:

Credentials

Username:

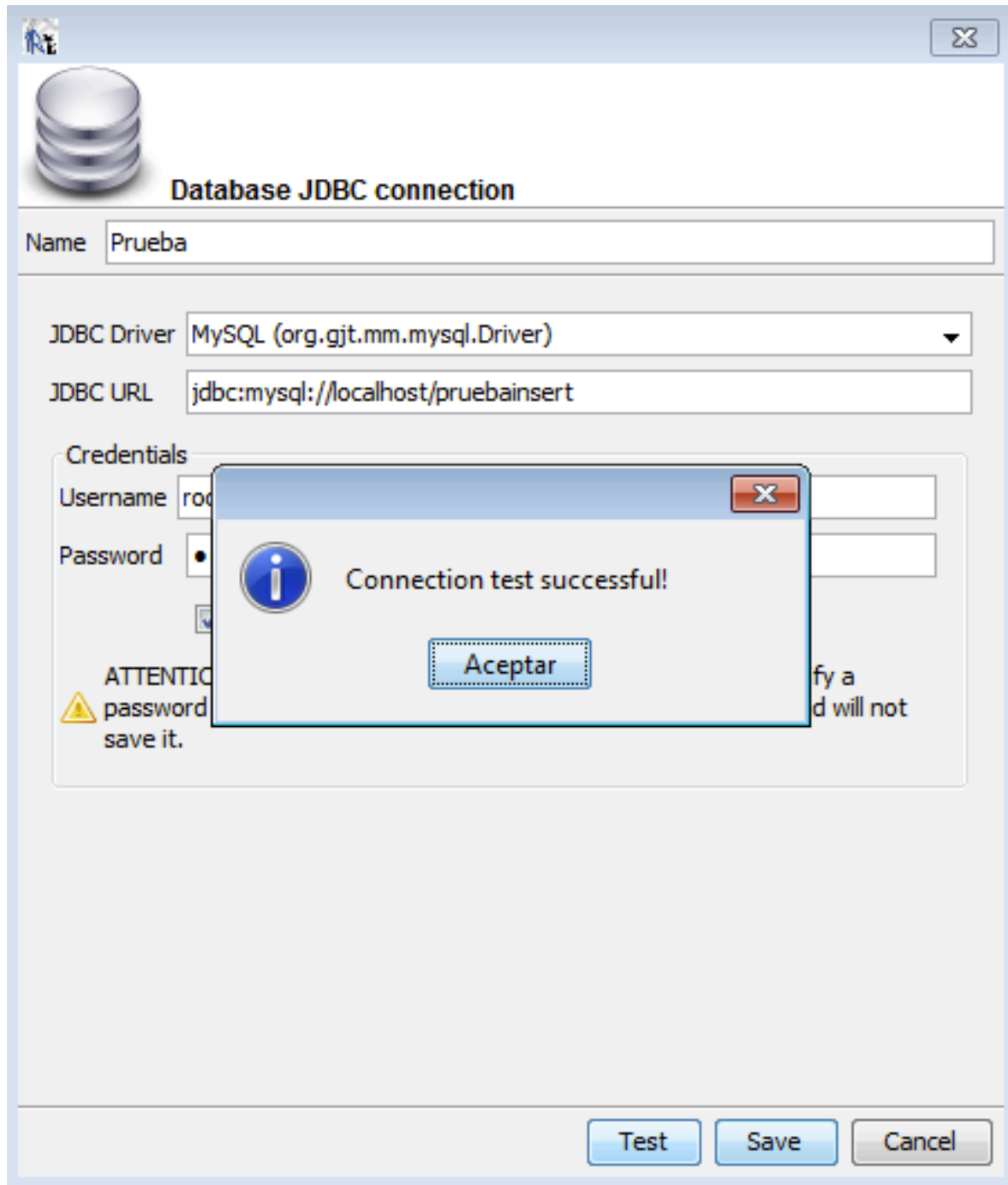
Password:

☒ Save password

ATTENTION! Passwords are stored in clear text. If you dont specify a password now, iReport will ask you for one only when required and will not save it.

Test Save Cancel

- Realizar “test” y “save”



The image shows a 'Database JDBC connection' dialog box. At the top, there is a database icon and the title 'Database JDBC connection'. Below this, the 'Name' field is set to 'Prueba'. The 'JDBC Driver' dropdown menu is set to 'MySQL (org.gjt.mm.mysql.Driver)'. The 'JDBC URL' field contains 'jdbc:mysql://localhost/pruebainsert'. Under the 'Credentials' section, the 'Username' field is partially visible with 'ro' and the 'Password' field is masked with dots. A yellow warning icon and the text 'ATTENTION: password will not' are visible. A modal dialog box is centered on the screen, displaying a blue information icon, the text 'Connection test successful!', and an 'Aceptar' button. At the bottom of the main dialog, there are three buttons: 'Test', 'Save', and 'Cancel'.

Database JDBC connection

Name: Prueba

JDBC Driver: MySQL (org.gjt.mm.mysql.Driver)

JDBC URL: jdbc:mysql://localhost/pruebainsert

Credentials

Username: ro

Password: •••••

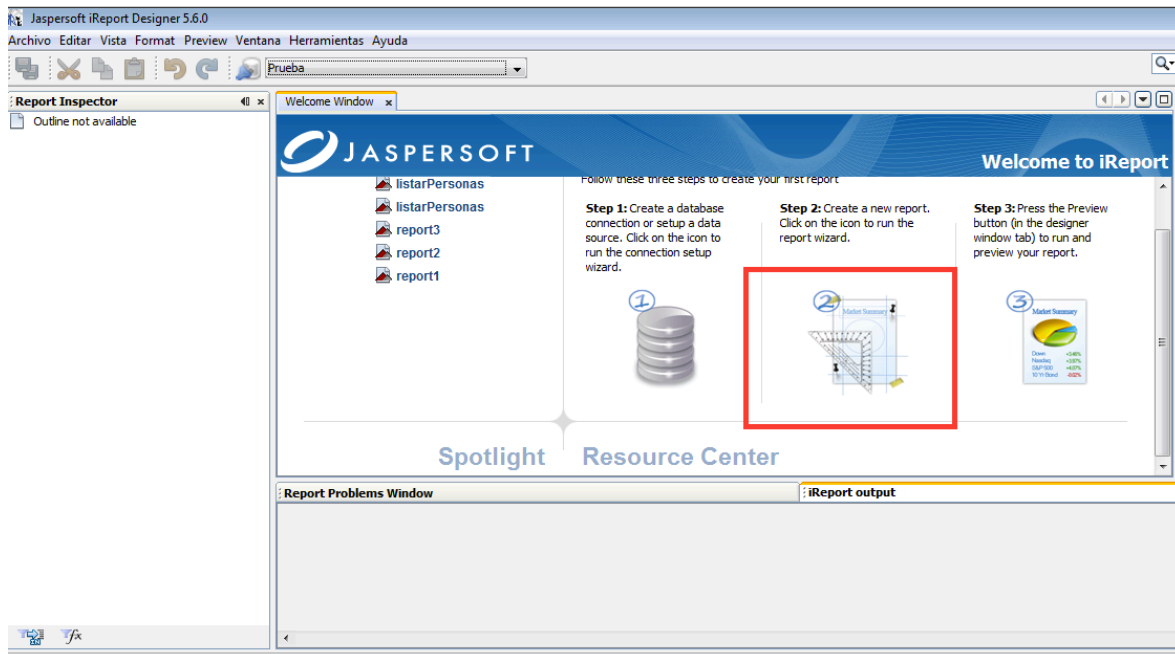
ATTENTION: password will not

Connection test successful!

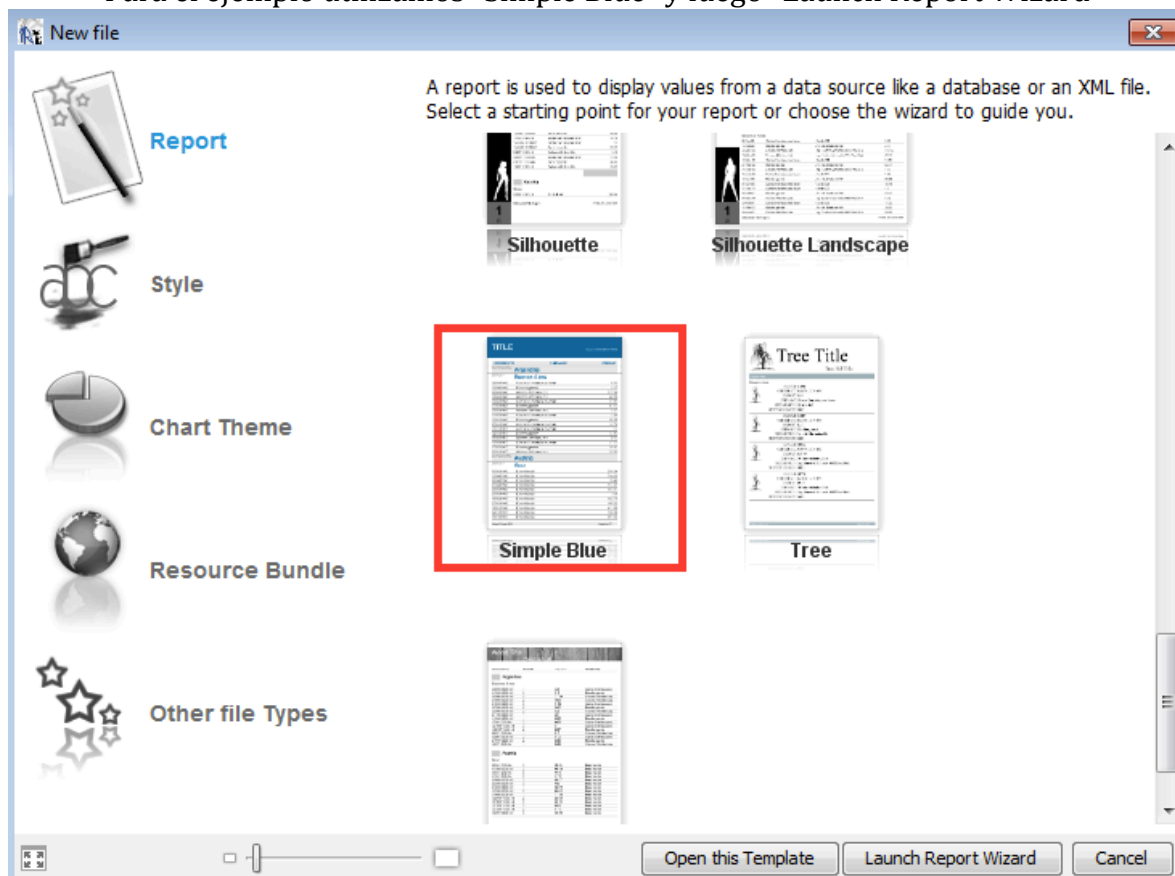
Aceptar

Test Save Cancel

- Diseñar reporte.



- Para el ejemplo utilizamos “Simple Blue” y luego “Launch Report Wizard”



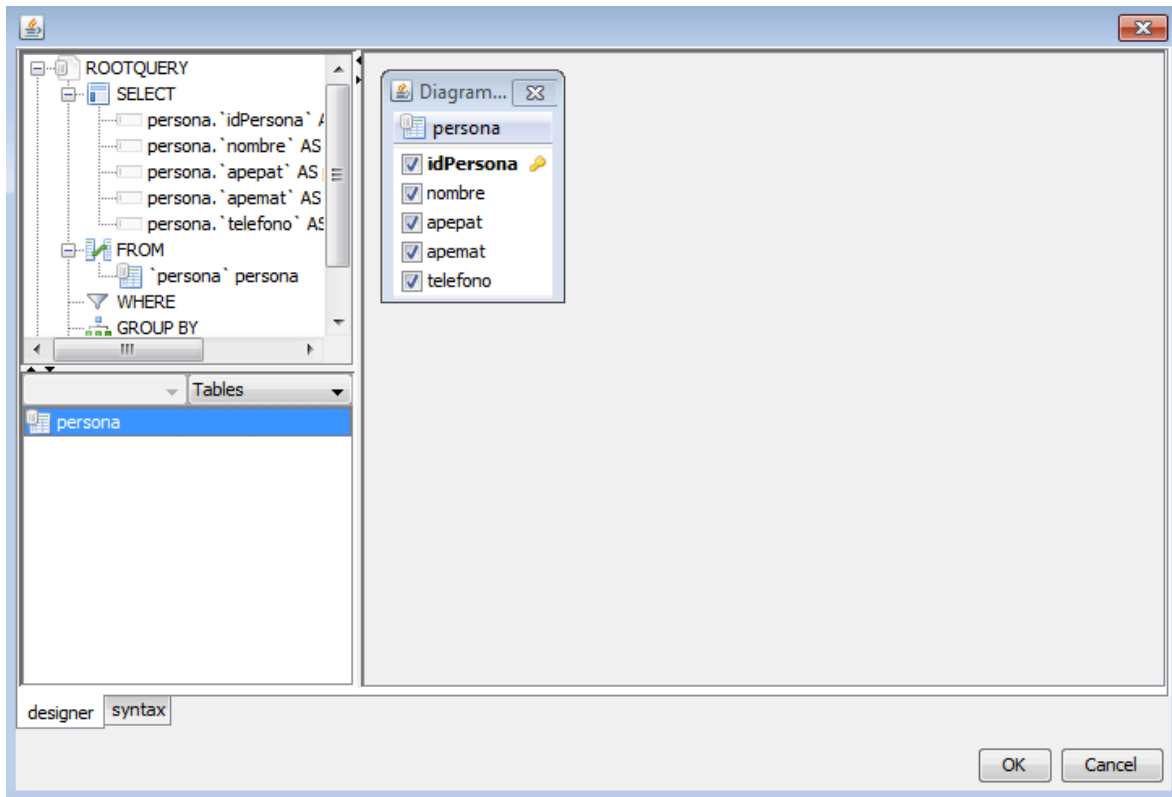
- Nombre del reporte y “Siguiente”

The screenshot shows a 'New' dialog box with a sidebar on the left titled 'Pasos' (Steps) containing a numbered list: 1. Seleccionar Plantilla, 2. **Name and location**, 3. Query, 4. Fields, 5. Group by..., 6. Finish. The main area is titled 'Name and location' and contains three text fields: 'Report name:' with the value 'ListarPersonas', 'Location:' with the value 'C:\Users\ricardo\Documents\MisReportes' and a 'Browse' button, and 'File:' with the value 'Jrsers\ricardo\Documents\MisReportes\ListarPersonas.jrxml'. At the bottom, there are five buttons: '< Atras', 'Siguiente >' (highlighted with a red rectangle), 'Terminar', 'Cancelar', and 'Ayuda'.

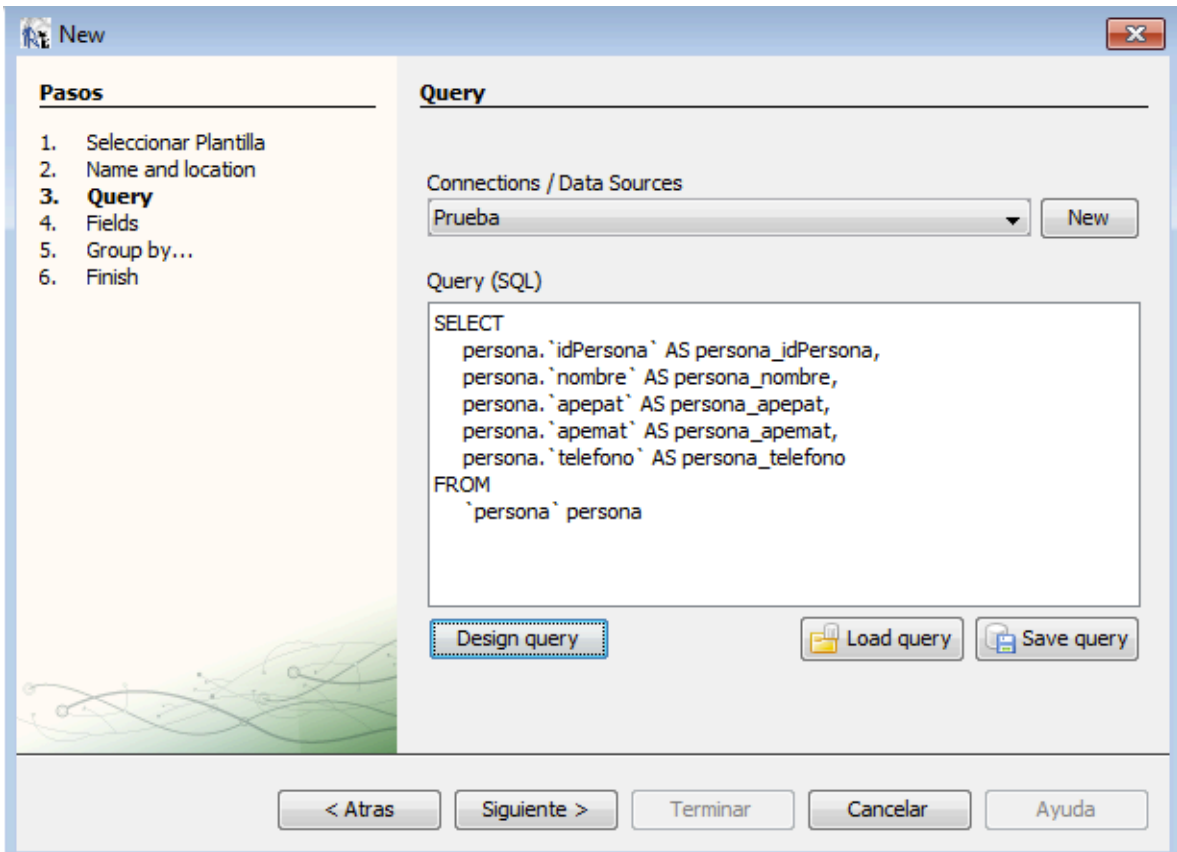
- Desing query.

The screenshot shows the same 'New' dialog box, but now the 'Query' step is selected in the 'Pasos' sidebar. The main area is titled 'Query' and contains a dropdown menu for 'Connections / Data Sources' with the value 'Prueba' and a 'New' button. Below this is a large text area labeled 'Query (SQL)'. At the bottom of the main area are three buttons: 'Design query', 'Load query' (with a folder icon), and 'Save query' (with a floppy disk icon). Below these buttons is a red error message: 'Invalid query'. At the bottom of the dialog, the same five buttons as in the previous screenshot are present: '< Atras', 'Siguiente >', 'Terminar', 'Cancelar', and 'Ayuda'.

- Seleccionar la tabla y “ok”



- Utilizaremos la consulta sql que nos genera automáticamente. “Siguiente >”



- Seleccionar campos para tu reporte.

The screenshot shows a 'New' report wizard window. On the left, under the 'Pasos' (Steps) tab, a list of steps is shown: 1. Seleccionar Plantilla, 2. Name and location, 3. Query, 4. **Fields**, 5. Group by..., and 6. Finish. The 'Fields' step is currently selected. The main area is divided into two panes. The left pane is empty. The right pane contains a list of fields: 'persona_idPersona', 'persona_nombre', 'persona_apepat', 'persona_apemat', and 'persona_telefono'. The field 'persona_telefono' is selected and highlighted in blue. Between the two panes are four buttons: '>', '>>', '<', and '<<'. At the bottom of the window are five buttons: '< Atras', 'Siguiete >' (highlighted in blue), 'Terminar', 'Cancelar', and 'Ayuda'.

New

Pasos

1. Seleccionar Plantilla
2. Name and location
3. Query
4. **Fields**
5. Group by...
6. Finish

Fields

persona_idPersona
persona_nombre
persona_apepat
persona_apemat
persona_telefono

>
>>
<
<<

< Atras Siguiete > Terminar Cancelar Ayuda

New

Pasos

1. Seleccionar Plantilla

2. Name and location

3. Query

4. Fields

5. Group by...

6. Finish

Group by...

Group 1

Group 2

Group 3

Group 4

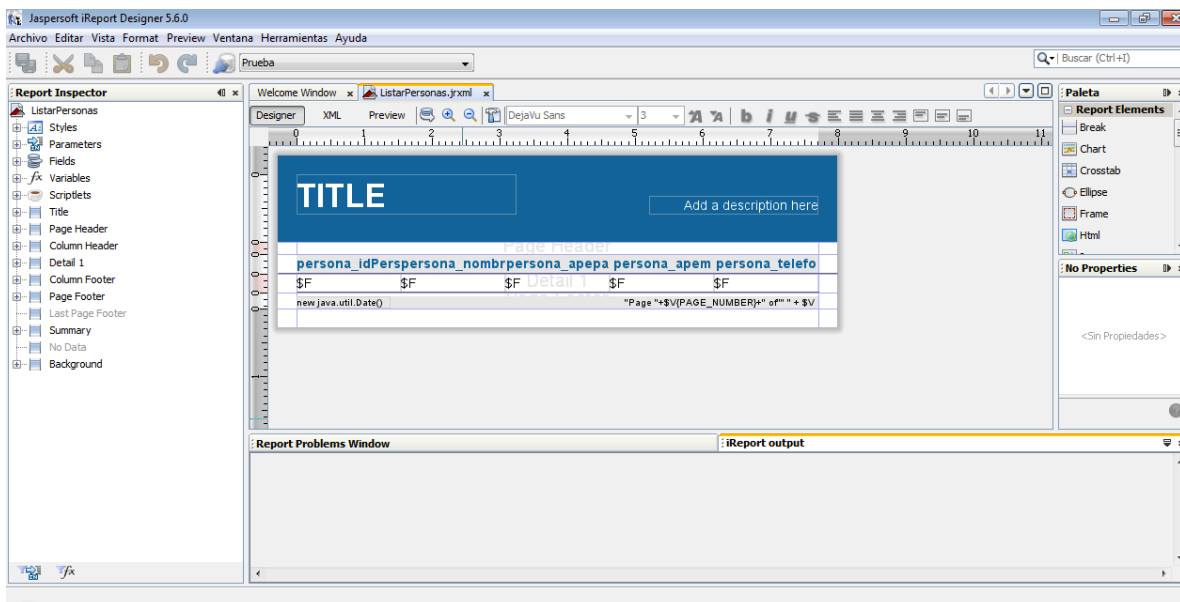
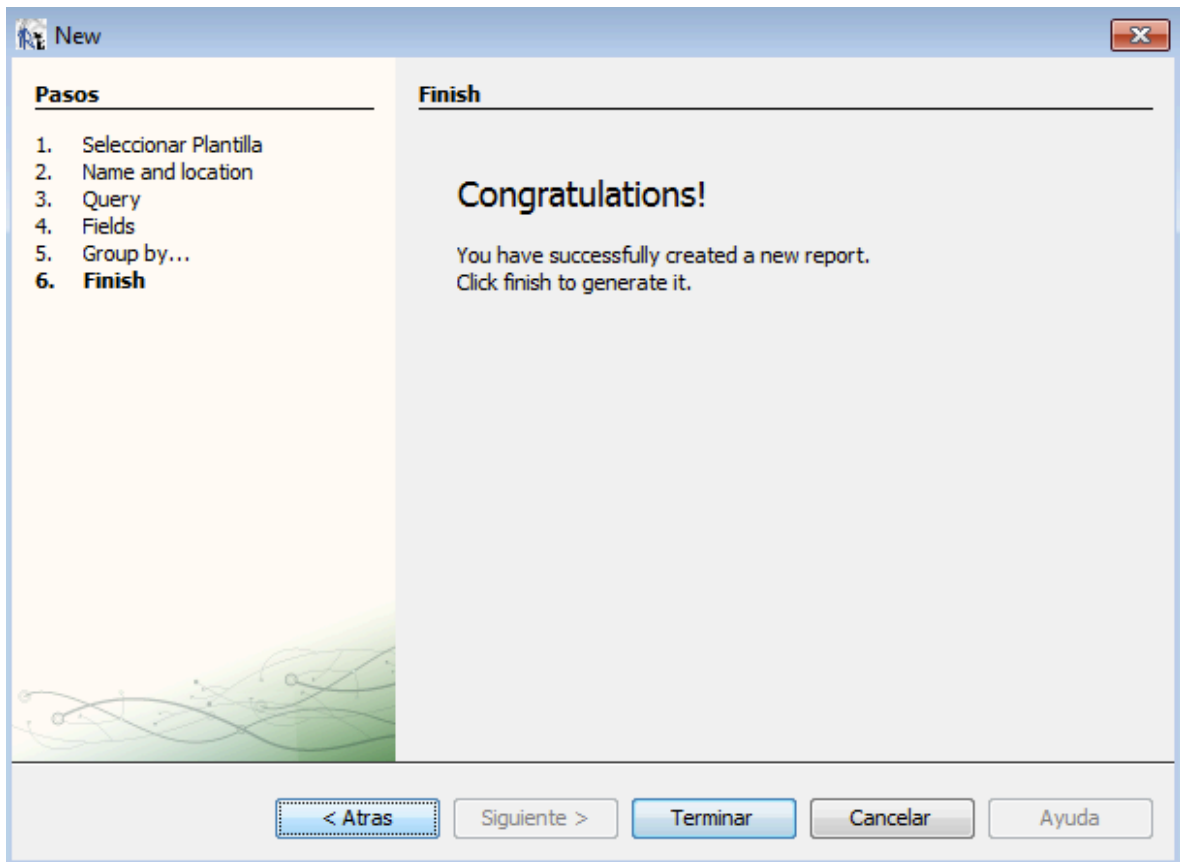
< Atras

Siguiente >

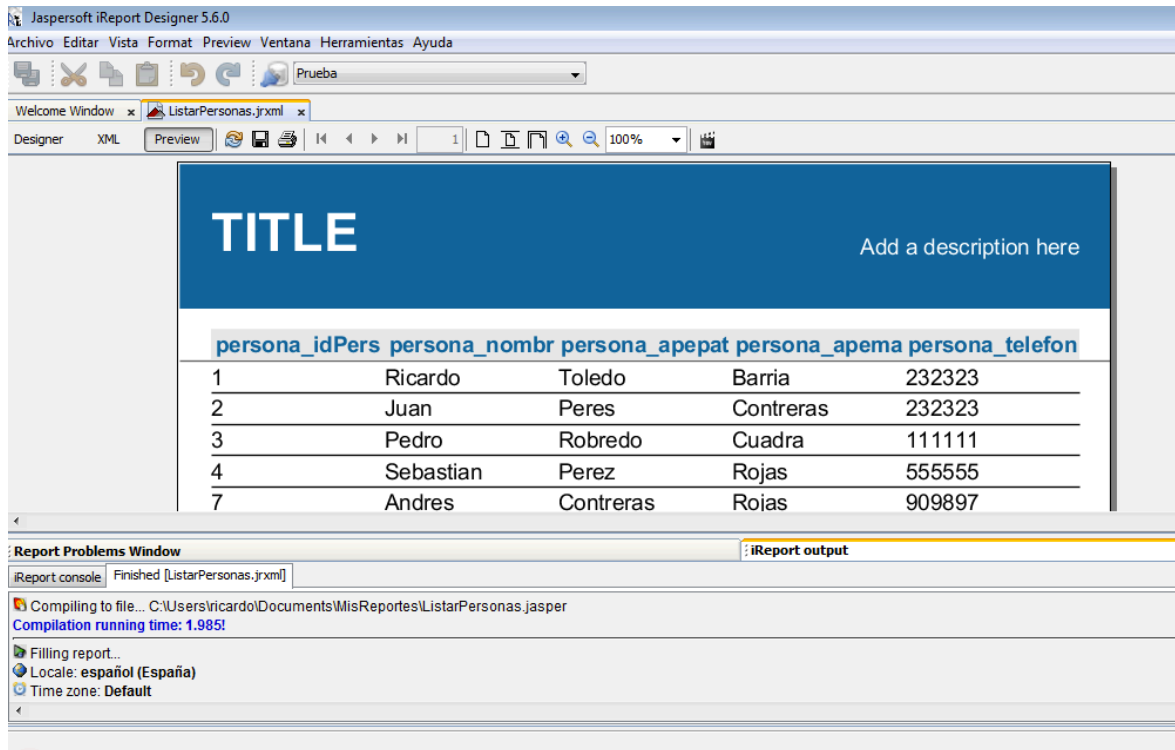
Terminar

Cancelar

Ayuda

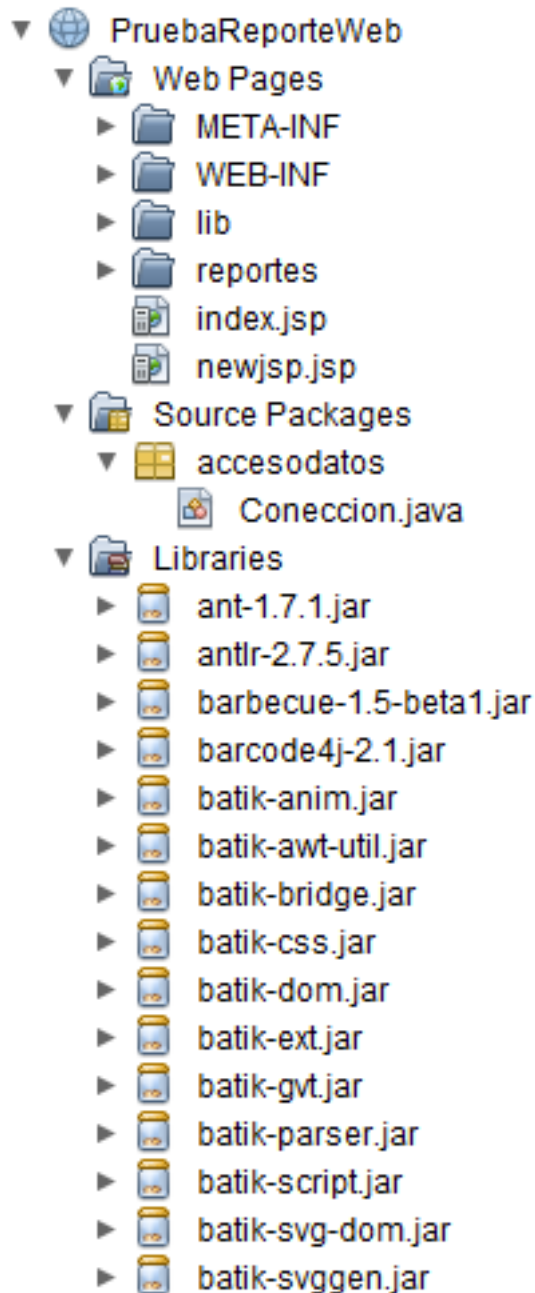


- Previsualizar reporte y guardar archivo.jasper

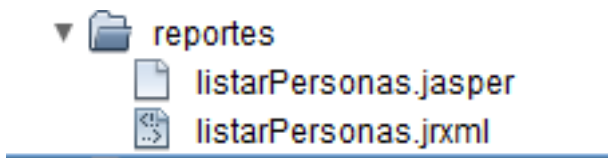


- Crear nuevo proyecto en Netbeans con la siguiente estructura.

Descargar Mysql-Connector(<http://dev.mysql.com/downloads/connector/j/3.0.html>) y agregar todas las librerías descargadas.



- Colocar el reporte .jasper en la carpeta “reportes”



- Código index.jsp

```
index.jsp x
Source History
<!--
2      Document    : index
3      Created on  : 23-oct-2014, 9:01:28
4      Author     : ricardo
5  -->
6
7  <@page contentType="text/html" pageEncoding="UTF-8"%>
8  <!DOCTYPE html>
9  <html>
10     <head>
11         <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
12         <title>Reportes</title>
13     </head>
14     <body>
15         <a href="newjsp.jsp">Reporte - Listado Personas</a>
16     </body>
17 </html>
18
```

- Código newjsp.jsp

```

newjsp.jsp x
Source History
1 <%@page import="net.sf.jasperreports.engine.*" %>
2 <%@page import="java.util.*" %>
3 <%@page import="java.io.*" %>
4 <%@page import="java.sql.*" %>
5 <%@page import="accesodatos.Coneccion" %>
6 <%@page contentType="text/html" pageEncoding="UTF-8"%>
7 <html>
8 <body>
9 <%
10     try{
11         Coneccion conexion=Coneccion.getInstance();
12         File reportFile = new File(application.getRealPath("//reportes//listarPersonas.jasper"));
13         //Map parameters = new HashMap(); parameters.put("Nombre_parametro", "Valor_Parametro");
14         byte[] bytes = JasperRunManager.runReportToPdf(reportFile.getPath(), null, conexion.getConnection());
15         response.setContentType("application/pdf");
16         response.setContentLength(bytes.length);
17         ServletOutputStream outputStream = response.getOutputStream();
18         outputStream.write(bytes, 0, bytes.length);
19         outputStream.flush();
20         outputStream.close();
21     }catch(Exception ex){
22         out.println(" "+ex.getMessage());
23     }
24 %>
25 </body>
html

```

- Código Conexión.java

```

1 package accesodatos;
2 import java.sql.Statement;
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.ResultSet;
6 import java.sql.SQLException;
7 public class Coneccion {
8     private String bdd="pruebainsert";
9     private String usuario="root";
10    private String clave="123456";
11    private Connection con;
12    private Statement stmt;
13    private ResultSet rs;
14    private static Coneccion micon;
15    private Coneccion() {
16        try{
17            DriverManager.registerDriver(new org.gjt.mm.mysql.Driver());
18            con=DriverManager.getConnection("jdbc:mysql://localhost/"+bdd,usuario,clave);
19        }catch(Exception ex){
20            ex.printStackTrace();
21        }
22    }

```



```

23  [-] public static synchronized Coneccion getInstance() {
24      if (micon == null) {
25          micon = new Coneccion();
26      }
27      return micon;
28  }
29  [-] public void setEjecutar(String sql) {
30      try {
31          stmt = con.createStatement();
32          stmt.executeUpdate(sql);
33          stmt.close();
34
35          } catch (Exception ex) {
36              ex.printStackTrace();
37          }
38  }
39
40  [-] public Connection getConeccion() {
41      return con;
42  }

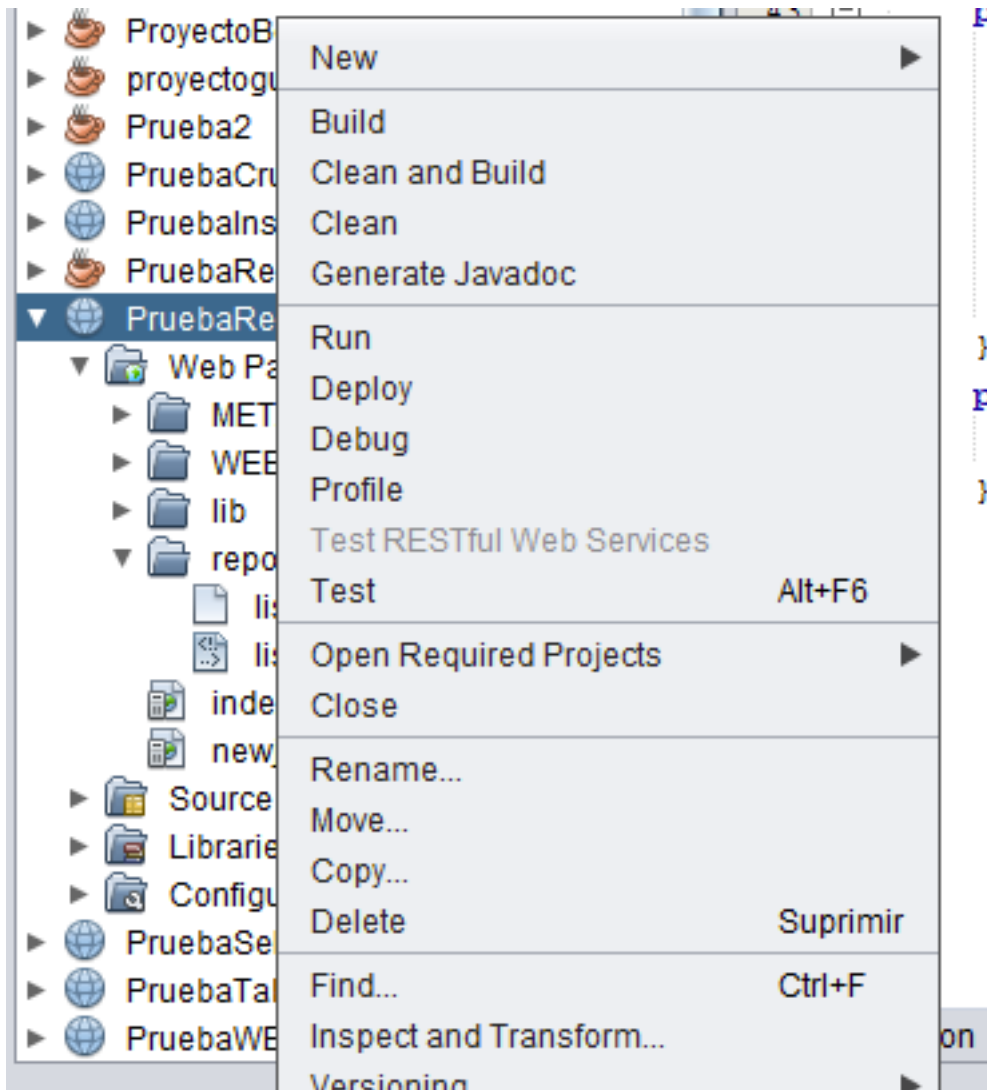
```

```

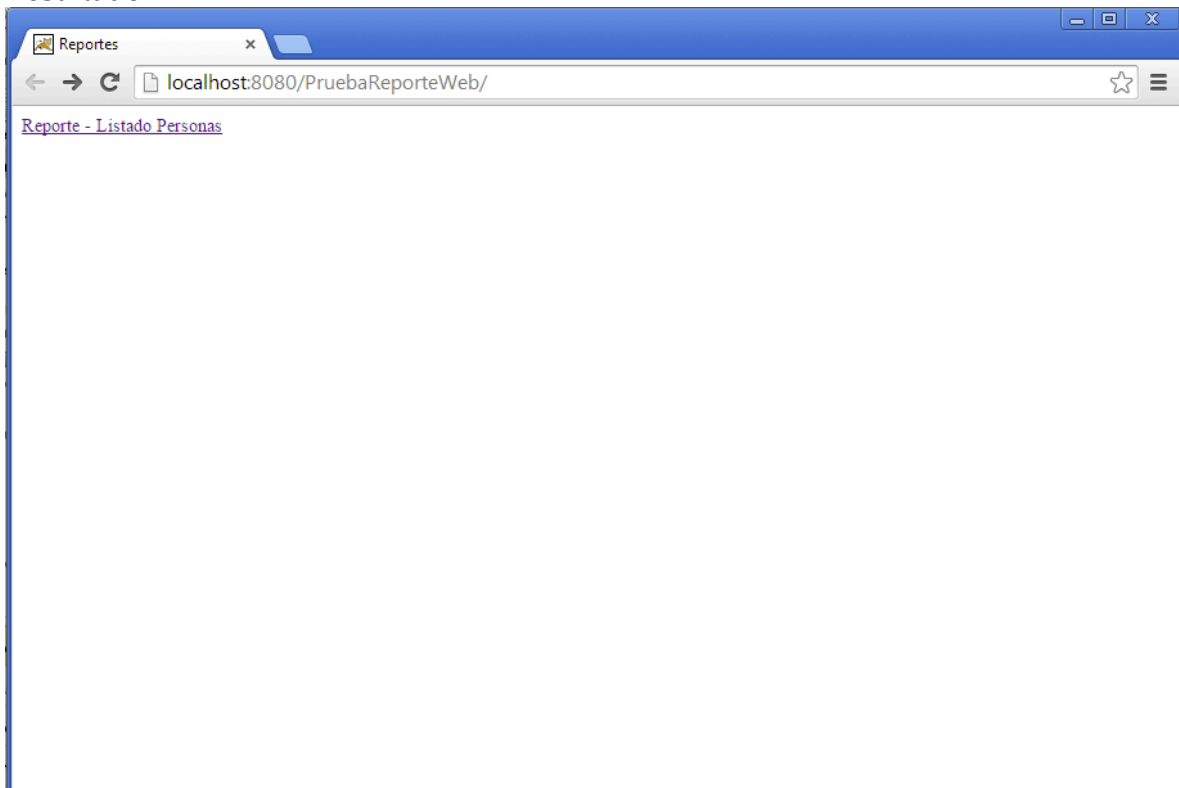
43  [-] public void setConsulta(String sql) {
44      try {
45          stmt = con.createStatement();
46          rs = stmt.executeQuery(sql);
47          } catch (Exception ex) {
48              ex.printStackTrace();
49          }
50  }
51  [-] public ResultSet getRs() throws SQLException {
52      return rs;
53  }
54  }
55

```

- Clean and Build y Run.



Resultado:



A screenshot of a web browser window showing a table titled 'Tabla Personas'. The table has 5 columns: ID, NOMBRE, APEPAT, APEMAT, and TELEFONO. The table contains 12 rows of data. The browser address bar shows 'localhost:8080/PruebaReporteWeb/newjsp.jsp'.

ID	NOMBRE	APEPAT	APEMAT	TELEFONO
1	Ricardo	Toledo	Barria	232323
2	Juan	Peres	Contreras	232323
3	Pedro	Robredo	Cuadra	111111
4	Sebastian	Perez	Rojas	555555
7	Andres	Contreras	Rojas	909897
8	Fabian	Robredo	Rojas	212323
10	ramon	rojas	perez	876578
11	Karina	Toledo	Peres	234211
18	Pedro	Gonzalez	Torres	232323
19	Pedro	Gonzalez	Robredo	998877
21	Erick	Contreras	Rojas	212222

Gracias, Saluda Ricardo Toledo Barria.