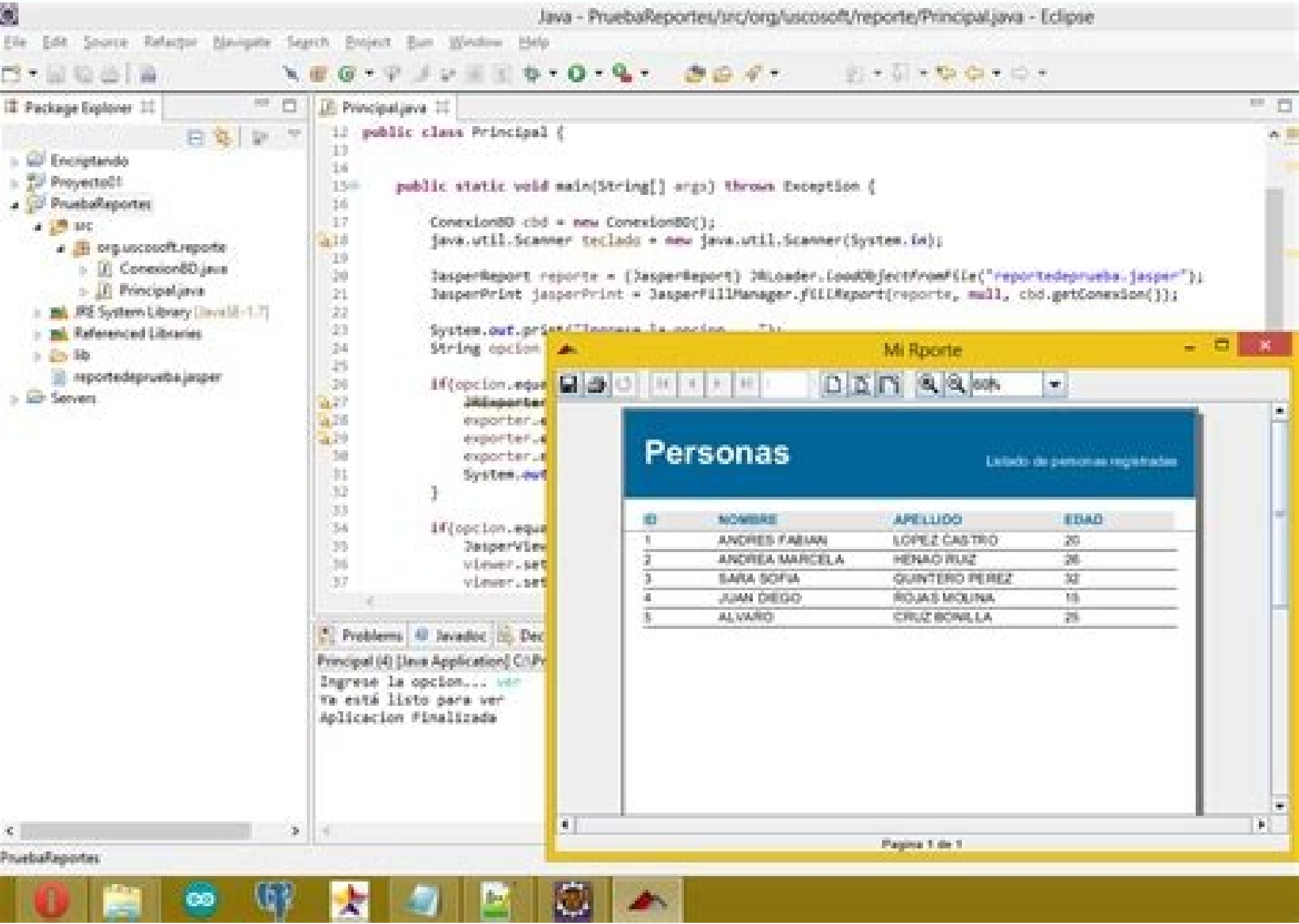
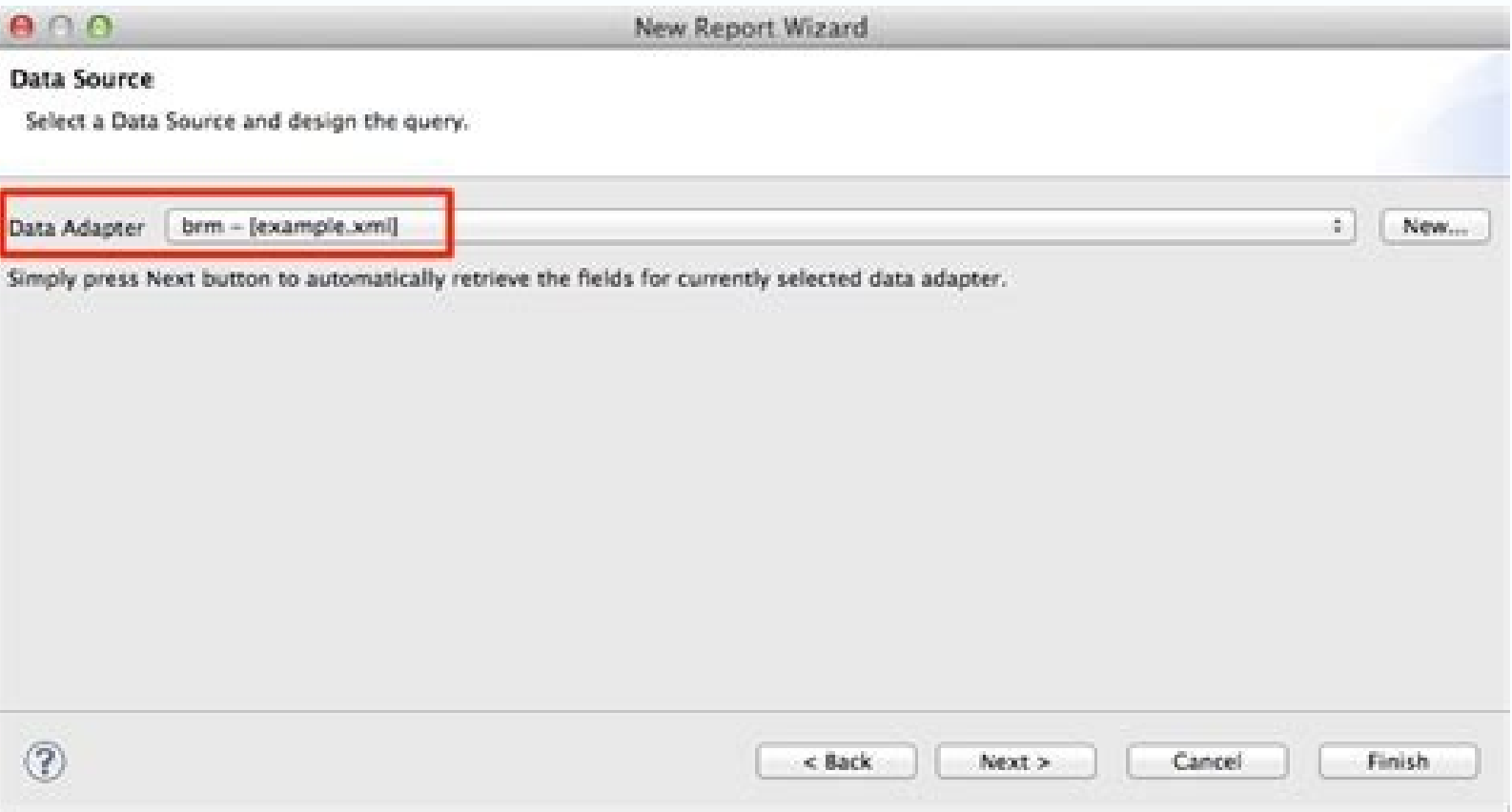
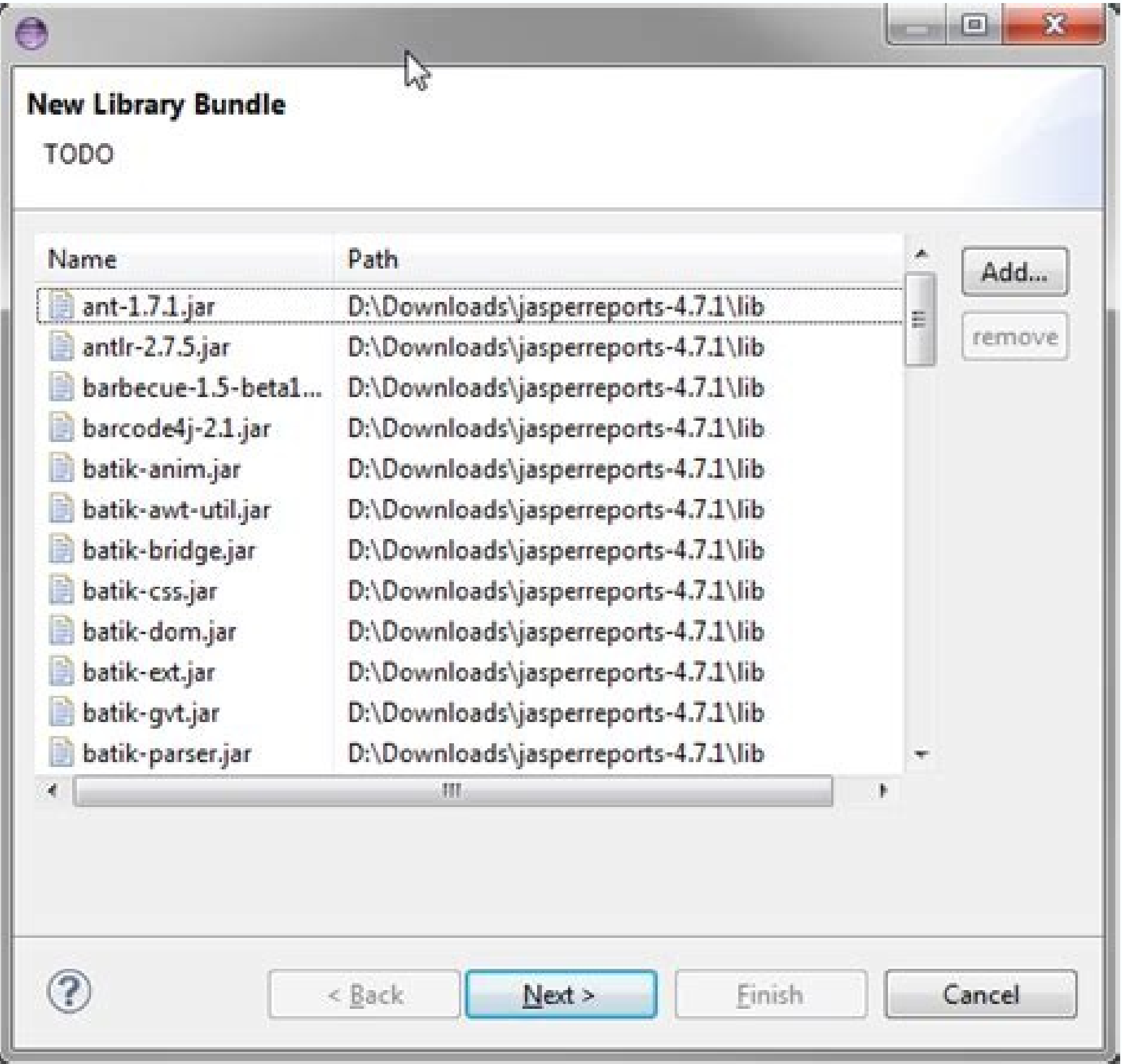
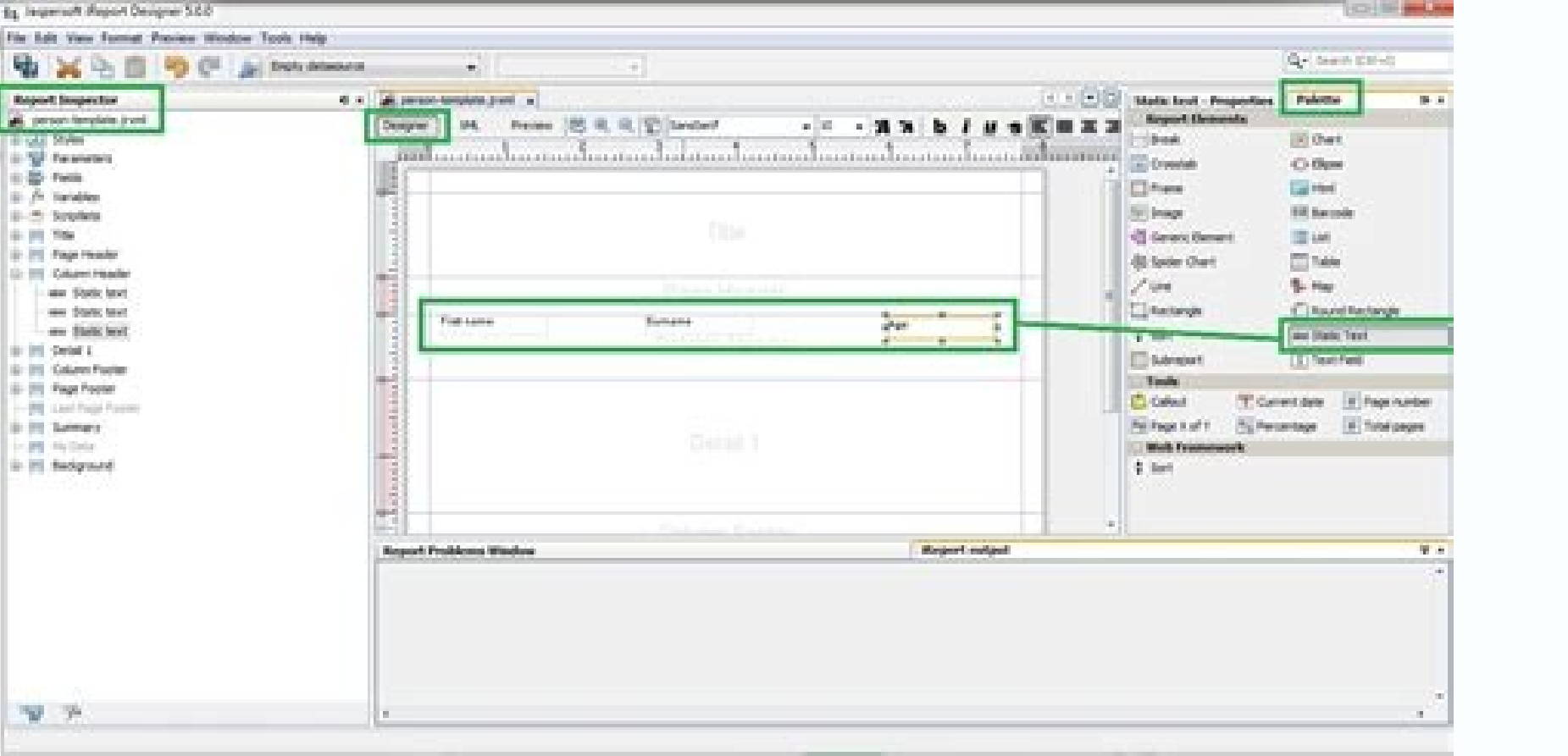
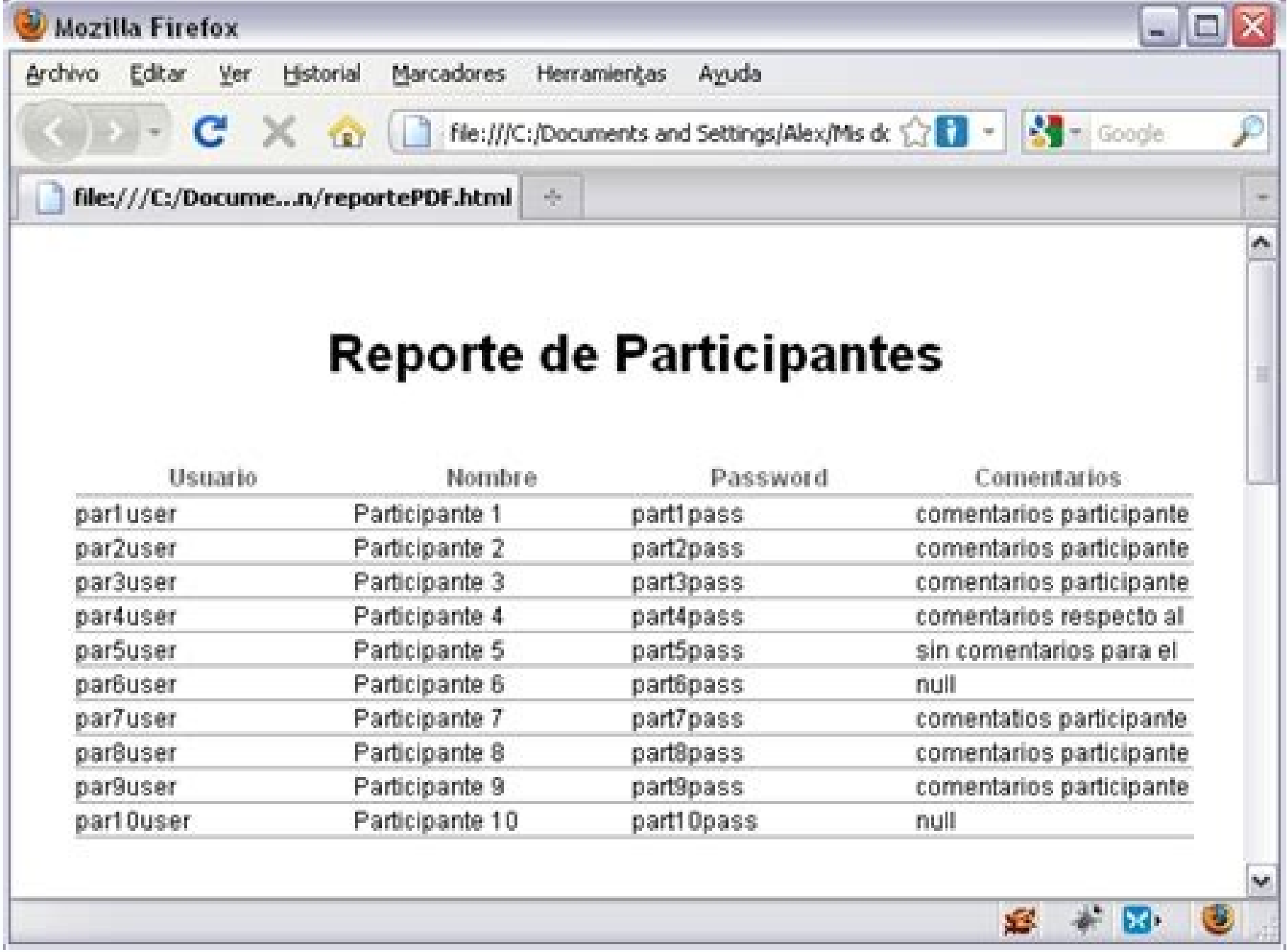


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Jasper reports tutorial for beginners step by step. Jasper reports tutorial for beginners in eclipse. Jasper reports tutorial for beginners in java pdf. How jasper report works. Jasper reports tutorial for beginners pdf. Jasper reports api example.

JasperReports is a powerful open source reporting tool that has the ability to deliver rich content onto the screen, to the printer, or into PDF, HTML, XLS, RTF, ODT, CSV, TXT and XML files. It is entirely written in Java and can be used in a variety of Java-enabled applications to generate dynamic content. Its main purpose is to help create page-oriented, ready-to-print documents in a simple and flexible manner. API Overview JasperReports organizes data retrieved from a data source according to a report-design defined in a JRXML file. In order to fill a report with data, the report-design must be compiled first. The compilation of the JRXML file representing the report-design is performed by the compileReport() method exposed by the JasperCompileManager class. Through compilation, the report design is loaded into a report-design object that is then serialized and stored on disk (JasperReport class). This serialized object is used when the application wants to fill the specified report-design with data. In fact, the compilation of a report-design implies the compilation of all Java expressions defined in the JRXML file representing the report design. Various verifications are made at compilation time, to check the report-design consistency. The result is a ready-to-fill report-design that will be used to generate documents on different sets of data. ; In order to fill a report-design, one can use the fillReportXXX() methods exposed by the JasperFillManager class. Those methods receive as a parameter the report-design object, or a file representing the specified report-design object, in a serialized form, and also a JDBC connection to the database from which to retrieve the data to fill the report with. The result is an object that represents a ready-to-print document (JasperPrint class) and that can be stored on disk in a serialized form (for later use), can be delivered to the printer or to the screen, or can be exported into a PDF, HTML, XLS, RTF, ODT, CSV, TXT or XML document. As you can see, the main classes to use when working with JasperReports are: These classes represent a facade to the JasperReports engine. They have various static methods that simplify the access to the API functionality and can be used to compile an JRXML report design, to fill a report, to print it, or to export to other document formats (PDF, HTML, XML). In addition to these facade classes, you will also get to work directly with specific exporter classes, in case you need to export your reports to XLS, RTF, ODT, TXT or other document formats for which there is no corresponding helper method In the JasperExportManager, or when you need to configure the export process and adapt it to your specific needs. These exporter implementations can be found in the net.sf.jasperreports.engine.export package of the JasperReports library. If you need to display the report inside a Swing application, you can use the JRViewer component that is shipped with the library and consists of an embeddable and configurable javax.swing.JPanel component. The JasperViewer is a stand-alone Swing application that uses the JRViewer component to display reports in proprietary format (serialized JasperPrint objects) or in XML format. To help with the report design work, JasperReports provides a report design previewer in the JasperDesignViewer class. Report Designs As mentioned, a report design represents a template that will be used by the JasperReports engine to deliver dynamic content to the printer, to the screen or to the Web. Data stored in the database is organized according to the report design to obtain ready to print, page oriented documents. The report designs are defined in JRXML files and must have a special structure. This structure is declared in a DTD file supplied with the JasperReports engine. The JRXML files are then compiled, in order to use them in report filling operations. To create a simple report design, we have to edit an XML file with the following structure:

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