

-: Abdullah Al Noman :-

iReport: module 10 id: 1241478

(1) What is Report?

A Report is a nicely formatted way of presenting data that you have entered. Reports are all about querying a database and displaying in a nice format.

(2) What is Jasper Report?

JasperReports is an open source java reporting engine. It is a Java class library. It is the heart of the iReport. It contains rendering library, not a standalone application.

Its library is a very powerful and flexible report-generating tool that delivers rich content to the screen, a printer, or a file in PDF, HTML, RTF, XLS, CSV, or XML format.

(3) What are the features of Jasper Reports?

1. It has flexible reports layout.
2. It can present data textually or graphically.
3. It can accept data from multiple data sources.
4. It can generate watermark.
5. It can generate sub report.

(4) What is iReport?

iReport is the free, open source report designer for JasperReports and JasperReports Server. It is written in 100% pure java and is distributed with its source code according to the General Public License. It is a visual tool to obtain an XML file for Jasper Reports.

(5) What are the different ways to use iReport?

1. Standalone installation
2. Using plug-in

(6) What are the elements of report template?

S.L	Elements	Description
1.	title	It contains the title of the report. It appears only once. Example: "abc Company"
2.	pageHeader	It contains date and time information organization name at top of the each page.
3.	ColumnHeader	It contains list of the names of those specific fields Example: "sl", "Product Name", "Rate"
4.	Details	Details in the part where are shown the value of the listed columnHeader. Example: "1", "Computer", "50000"
5.	columnFooter	May display summation of the fields. Example: Totals rate: 500000/-
6.	pageFooter	It contains page count information. It appears at the bottom of each page. Example: 1/123
7.	summary	It contains information the whole details can be put in visual chart like pie chart, graph chart etc.

(7) What are the main inputs required of report-filling process?

1. Report Template : This is the actual Jasper Reports.
2. Report Parameter : These are basically name values that are passed at the report filling time to the engine.
3. Data Source : we can fill a Jasper file from a range of data sources like an HQL query, an XML file, a CSV file, a collection of java beans etc.

(8) What are Reports Parameter?

Parameters are the object references that are passed during report-filling operations to the report engine. Parameters are useful for passing data to report engine. A jasper Report template has zero or more parameters.

(9) What are Report Data sources?

Data source are structured data container. While generate the report. Jasper Report engine obtains data from data sources. Data can obtain from database, XML Files and collections of object.

(10) What is Report Fields?

Report Fields are elements which represent mapping of data between data source and report template. A report template can contain zero or more <field> elements.

(11) What is Report Expression?

Report Expressions are a powerful feature of Jasper Reports. Which allows us to display calculate data on a reports. Report Expressions are building from combining reports parameters, fields, and static data

(12) What is Report Variable?

Report variable can perform various calculations based on the corresponding expressions values like: count, sum, average, lowest, highest, variance etc.

(13) What is the function of Report groups?

A report group is defined by the <group> element. A report can have any number of groups. Once declared, group can be referred to throughout the report.

(14) What is Sub report in iReport?

Sub report is one of the nice features of the jasper Reports. This feature allows incorporating a report within another report. Sub report helps us keep report designs simple reports and encapsulate them into a master report.

(15) What is crosstab Report in iReport?

Crosstab is an object that is used with any level of data and usually displays the summaries data contained in report variables, in the form of dynamic table. Variable are used to display aggregate data such as sums, counts, average values.