**Generate Report Using Jasper Reports**

**For Windows users only**

**Pre-Requisites:**

1. jdk1.6.0\_11
2. MySQL Server 5.1
3. iReport-2.0.1
4. jasperreports-2.0.1.jar
5. commons-beanutils-1.7.jar
6. commons-collections-2.1.jar
7. commons-digester-1.7.jar
8. commons-logging-1.0.2.jar
9. mysql-connector-java-3.0.11-stable-bin.jar

[Jar files](http://www.javaworkspace.com/jasperReports.do) required for creating report can be found in iReport installed location **(C:\Program Files\JasperSoft\iReport-2.0.1\lib\)**.

iReport can be downloaded from <http://sourceforge.net/projects/ireport/files/>

**Environment Variables:**

**Enter Variable name and Variable value which is mentioned below.**

|  |  |
| --- | --- |
| **Variable name:** | **JAVA\_HOME** |
| **Variable value:** | **C:\Program Files\Java\jdk1.6.0\_11** |

|  |  |
| --- | --- |
| **Variable name:** | **PATH** |
| **Variable value:** | **C:\Program Files\Java\jdk1.6.0\_11\bin** |

|  |  |
| --- | --- |
| **Variable name:** | [**CLASSPATH**](http://www.javaworkspace.com/jasperReports.do) |
| **Variable value:** | **.;C:\Program Files\JasperSoft\iReport-2.0.1\lib\jasperreports-2.0.1.jar;**  **C:\Program Files\JasperSoft\iReport-2.0.1\lib\commons-beanutils-1.7.jar;**  **C:\Program Files\JasperSoft\iReport-2.0.1\lib\commons-collections-2.1.jar;**  **C:\Program Files\JasperSoft\iReport-2.0.1\lib\commons-digester-1.7.jar;**  **C:\Program Files\JasperSoft\iReport-2.0.1\lib\commons-logging-1.0.2.jar;**  **C:\Program Files\JasperSoft\iReport-2.0.1\lib\mysql-connector-java-3.0.11-stable-bin.jar** |

**Simple program to connect .jrxml with java**

**DB-Scripts**

[view plaincopy to clipboardprint?](http://www.javaworkspace.com/jasperReports.do)

1. **CREATE** **DATABASE** jasperreporttutorial;
3. USE jasperreporttutorial;
5. **CREATE** **TABLE** `studentdetails` (
6. `**Name**` **varchar**(20) NOT NULL,
7. `Age` **int**(3) NOT NULL,
8. `Country` **varchar**(20) NOT NULL
9. ) ENGINE=InnoDB **DEFAULT** CHARSET=latin1;
11. **INSERT**   **INTO** jasperreporttutorial.StudentDetails (**Name**, Age, Country)
12. **VALUES** ('Name', Age, 'Country');

[Click here to download sample .jrlml file which is used in the below program](http://www.javaworkspace.com/downloads/reports/jasperreports/Report1.jrxml)

**Program to connect Java with .jrxml**

**FirstJasperReportProgram.java**

[view plaincopy to clipboardprint?](http://www.javaworkspace.com/jasperReports.do)

1. /\*\*
2. \* FirstJasperReportProgram.java
3. \*/
4. **package** com.javaworkspace.jasperreports;
6. **import** java.sql.Connection;
7. **import** java.sql.DriverManager;
9. **import** net.sf.jasperreports.engine.JasperCompileManager;
10. **import** net.sf.jasperreports.engine.JasperFillManager;
11. **import** net.sf.jasperreports.engine.JasperPrint;
12. **import** net.sf.jasperreports.engine.JasperReport;
13. **import** net.sf.jasperreports.engine.design.JasperDesign;
14. **import** net.sf.jasperreports.engine.xml.JRXmlLoader;
15. **import** net.sf.jasperreports.view.JasperViewer;
17. /\*\*
18. \* @author www.javaworkspace.com
19. \*
20. \*/
21. **public** **class** FirstJasperReportProgram {
23. **public** **static** Connection getConnection() {
24. Connection jdbcConnection = **null**;
25. **try** {
26. Class.forName("com.mysql.jdbc.Driver");
27. jdbcConnection = DriverManager.getConnection(
28. "jdbc:mysql://localhost:3306/jasperreporttutorial", "root",
29. "root");
30. } **catch** (Exception e) {
31. e.printStackTrace();
32. }
33. **return** jdbcConnection;
34. }
36. /\*\*
37. \* @param reportFile
38. \*/
39. **public** **static** **void** runReport(String reportFile) {
40. **try** {
41. JasperDesign jasperDesign = JRXmlLoader.load(reportFile);
42. JasperReport jasperReport = JasperCompileManager
43. .compileReport(jasperDesign);
44. Connection jdbcConnection = getConnection();
45. JasperPrint jasperPrint = JasperFillManager.fillReport(
46. jasperReport, **null**, jdbcConnection);
47. JasperViewer.viewReport(jasperPrint);
48. } **catch** (Exception e) {
49. e.printStackTrace();
50. }
51. }
53. **public** **static** **void** main(String[] args) {
54. String reportFile = "src\\reports\\Report1.jrxml";
55. runReport(reportFile);
56. }
57. }