

# Running the Windward Java Examples

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## Overview

These examples cover the most basic usage of our Java engine. This includes reading in a template (.docx, .xlsx, and .pptx formats), connecting to a database (MySQL, MS SQL, DB2 and XML) and producing an output file (PDF)

This tutorial is part of the Trebuchet app, included with the Windward Java Engine. It's purpose is to help you become familiar with the Java Engine, and launch you with a high velocity into the world of simple reporting!

*Note: This walkthrough deals with opening the IntelliJ project files. For users that prefer Eclipse, we have included a separate walkthrough on importing our source samples into an Eclipse project.*

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## Requirements

- Windward Reports Java Engine
  - Available for download at <http://www.windward.net/downloads.php>
  - Installation Tutorial
- IntelliJ IDEA (we use v11.1, but these steps are easily adaptable to other versions)
  - Available for download at <http://www.jetbrains.com/idea/download/index.html>
  - Installation Tutorial
- Java JDK v1.4 or later
  - Available for download at <http://www.oracle.com/technetwork/java/javase/downloads/index.html>
  - Installation Tutorial
- Database connector - dependent on the format of your database
  - DB2
  - MS SQL
  - MySQL

## Tutorial

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### Step One: Open the Project in IntelliJ

1. Open Catapult. (Found under Start -> All Programs -> Windward Studios -> Windward Reports Java Engine -> Windward Demo Center)
2. In the Catapult Menu, click the Java button, then select the Engine Basics tab.
3. Under Launch, select your data source type to open the IntelliJ project file.

## Step Two: Run the code

1. In the Run menu, select Run.

*Note: You may need to fix the library paths in order for the sample to run—This can be done by opening File > Project Structure and fixing the paths there.*

2. In the second small menu that pops up, select the second option, which has the projects name.
3. In the Command-Line tab in Trebuchet, click Open Project Directory.
4. Navigate to the out directory, and open the report.pdf file – your report output. Enjoy the results!