# Apache Lucene - Building and Installing the Basic Demo

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## 1. About this Document

This document is intended as a "getting started" guide to using and running the Lucene demos. It walks you through some basic installation and configuration.

## 2. About the Demos

The Lucene command-line demo code consists of two applications that demonstrate various functionalities of Lucene and how one should go about adding Lucene to their applications.

## 3. Setting your CLASSPATH

First, you should download the latest Lucene distribution and then extract it to a working directory. Alternatively, you can check out the sources from Subversion, and then run `ant war-demo` to generate the JARs and WARs.

You should see the Lucene JAR file in the directory you created when you extracted the archive. It should be named something like `lucene-core-{version}.jar`. You should also see a file called `lucene-demos-{version}.jar`. If you checked out the sources from Subversion then the JARs are located under the `build` subdirectory (after running `ant` successfully). Put both of these files in your Java CLASSPATH.

## 4. Indexing Files

Once you've gotten this far you're probably itching to go. Let's build an index! Assuming you've set your CLASSPATH correctly, just type: java org.apache.lucene.demo.IndexFiles {full-path-to-lucene}/src This will produce a subdirectory called `index` which will contain an index of all of the Lucene source code.

To search the index type: java org.apache.lucene.demo.SearchFiles You'll be prompted for a query. Type in a swear word and press the enter key. You'll see that the Lucene developers are very well mannered and get no results. Now try entering the word "vector". That should return a whole bunch of documents. The results will page at every tenth result and ask you whether you want more results.

## 5. About the code...

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