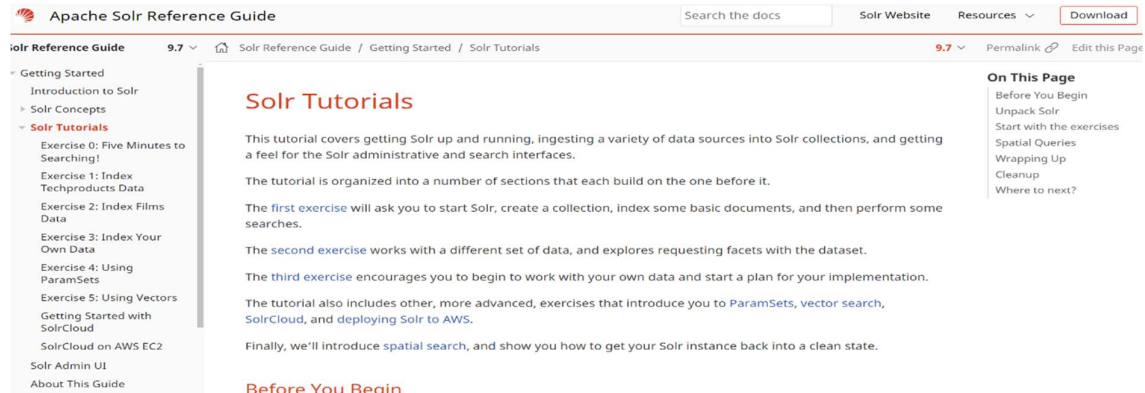


Apache Solr Indexing Docs to solr core and searching with various filter query

Solr is a search engine that's used to power search and navigation features on many of the world's largest websites.

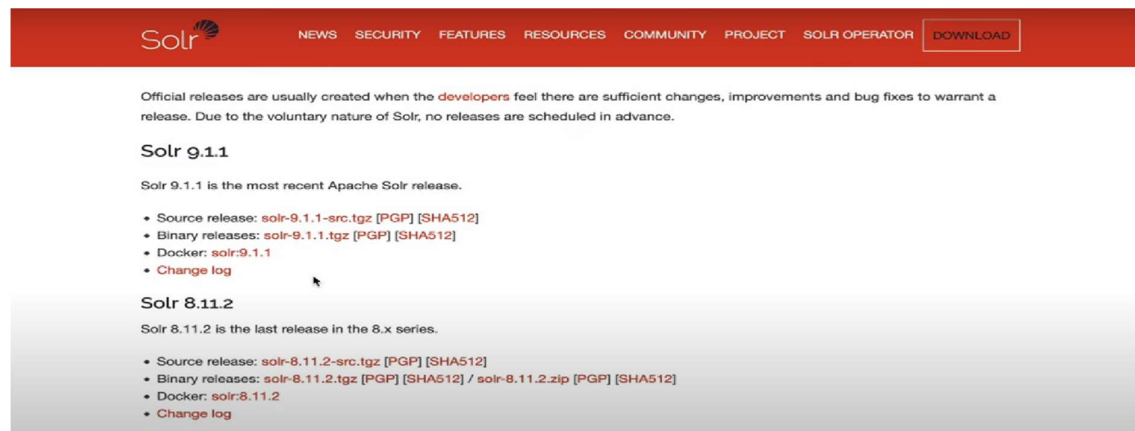
It's an open-source, Java-based platform that's built on top of Apache Lucene.

It is designed to drive powerful document retrieval applications.



I learned Apache Solr some of them in the Solr Tutorials. I have referring to a line from a solr tutorial , but the sentence isn't quite clear. Could I clarify what aspect of solr I'd like to understand in more details.

For Example: I looking for more information about solr indexing, querying and etc,...

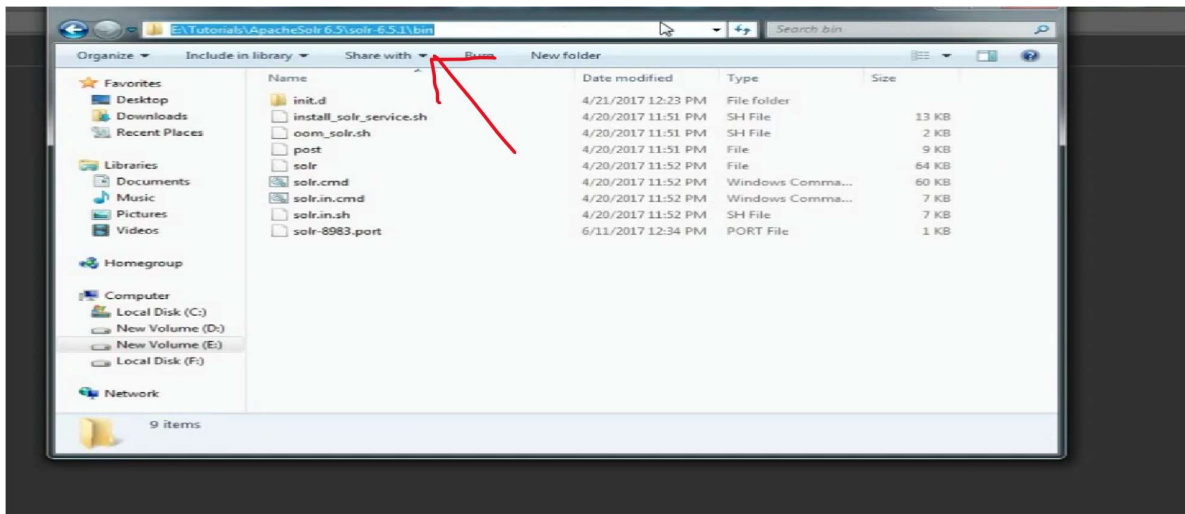


We download Apache Solr in Solr 9.1.1 of new version. Then install the Solr in our local machine.

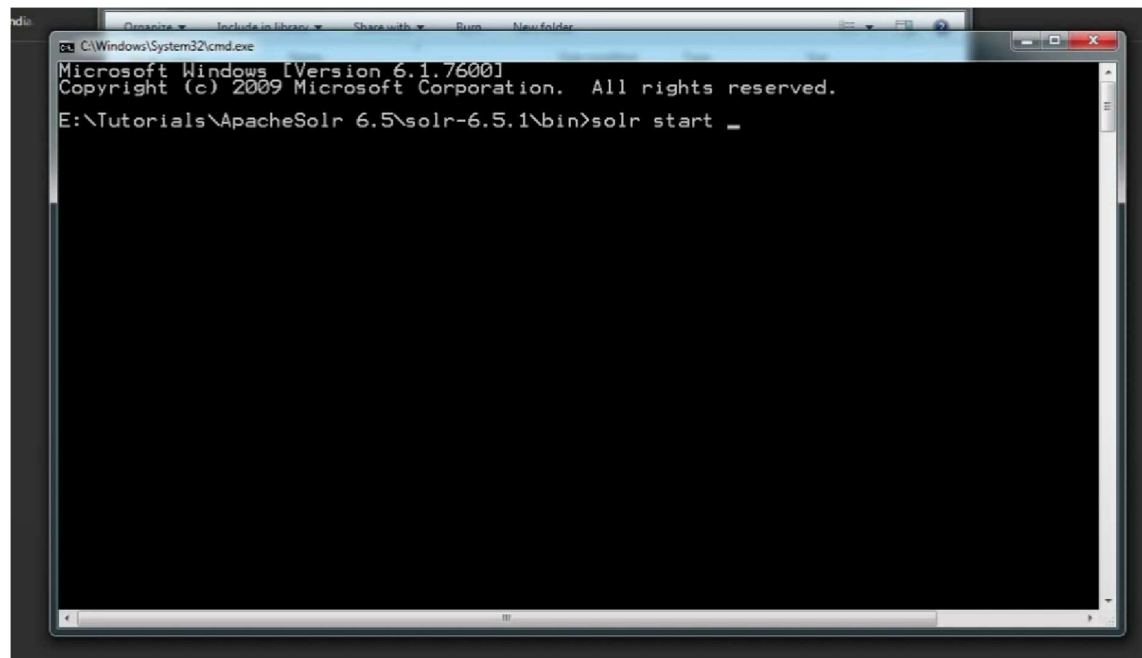
In which, before installation of Solr first we install the JDK (Java Development Kit).

Installation after we convert the file into the folder of solr .

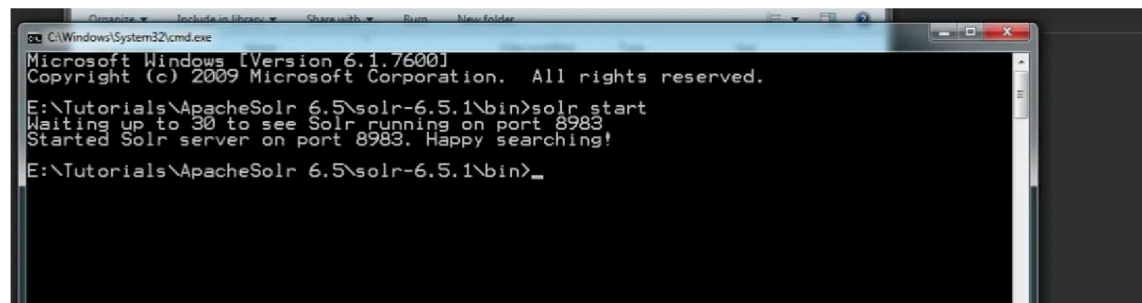
We run with the command prompt of the solr link of url (bin of Solr URL) is used to run the command to start of solr start.



In this link is used for run the command on terminal .



We given the solr start , then only they started in the command prompt.



The command prompt given the port number of 8983 and started solr on that port.

```
C:\Windows\System32\cmd.exe - solr create -c directors
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

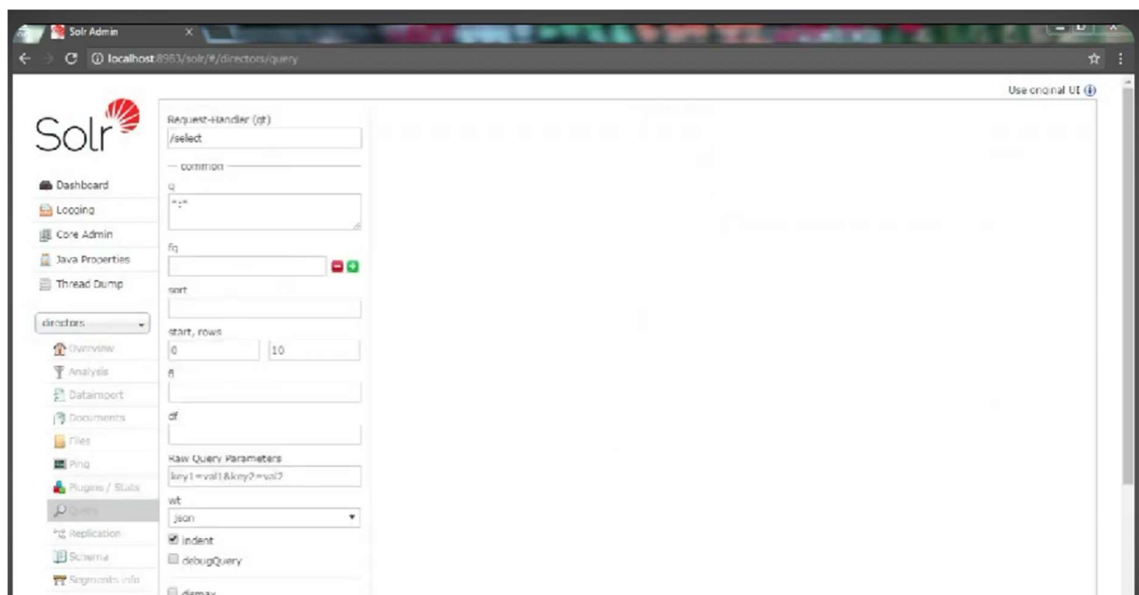
E:\Tutorials\ApacheSolr 6.5\solr-6.5.1\bin>solr start
Waiting up to 30 to see Solr running on port 8983
Started Solr server on port 8983. Happy searching!

E:\Tutorials\ApacheSolr 6.5\solr-6.5.1\bin>solr create -c directors

Copying configuration to new core instance directory:
E:\Tutorials\ApacheSolr 6.5\solr-6.5.1\server\solr\directors

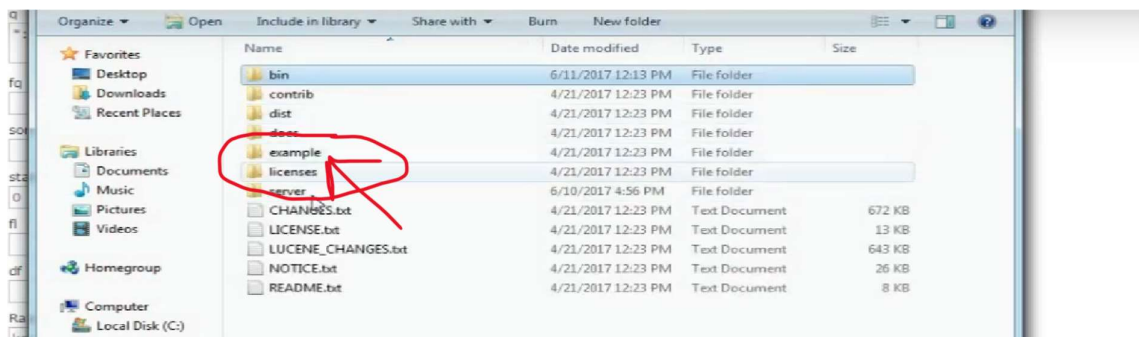
Creating new core 'directors' using command:
http://localhost:8983/solr/admin/cores?action=CREATE&name=directors&instanceDir=dire
```

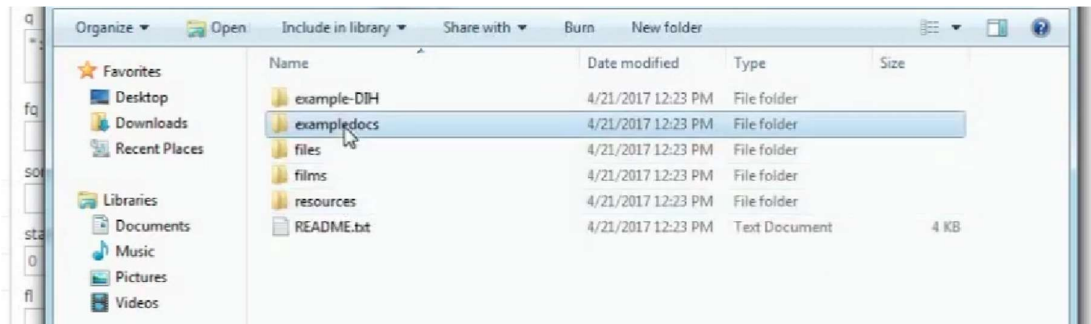
Then we given the solr create -c directors , they have to run some and given some values.



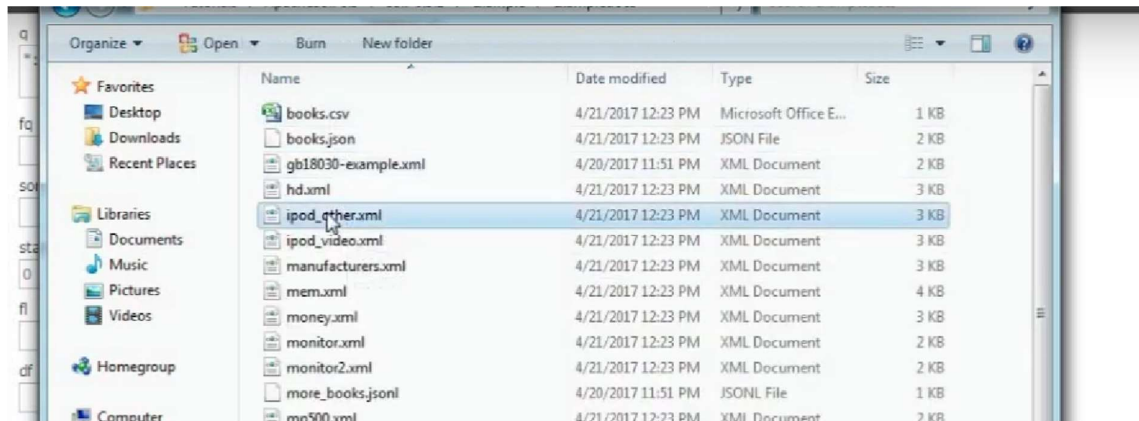
We search the port number of 8983 in the chrome, that will create a query in solr parameter.

They already given some default query in the solr localhost of 8983. We change some query of sample data and solr is provided the post tool utility , basically tool index the solar sample data are given the solr post panel. In the row of bin they have a example click on that.





Then we go to the exampledocs in example solr panel in that page. In the sampledocs to have a various data in that document that can run on the part of the query.

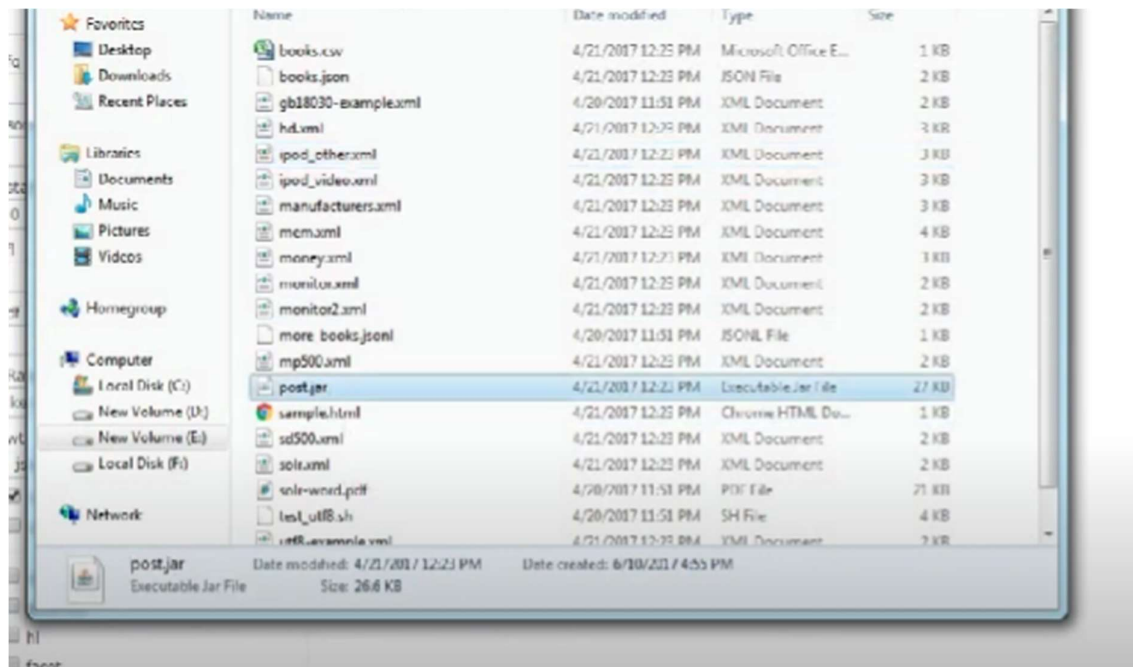


Next we click on the ipod_other.xml file in the sampledocs file of solr page.

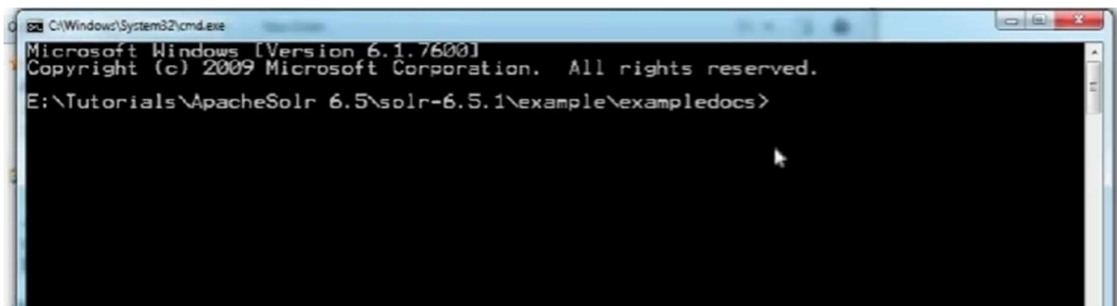


This all are the example datas which will the index are given to it and to run in the solr. In this open on notepad and then work on data.

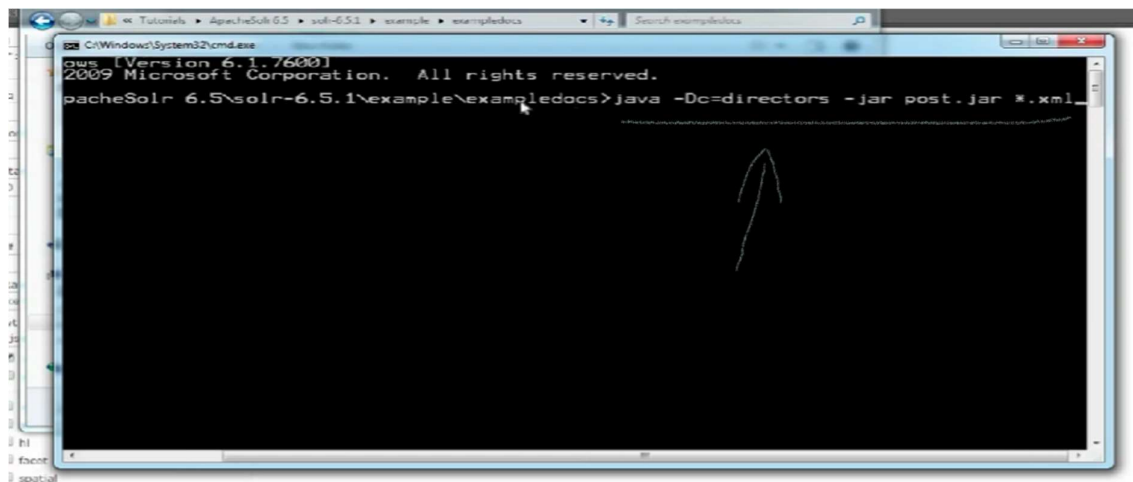
Post tool is suitable for uploading data with index handlers.



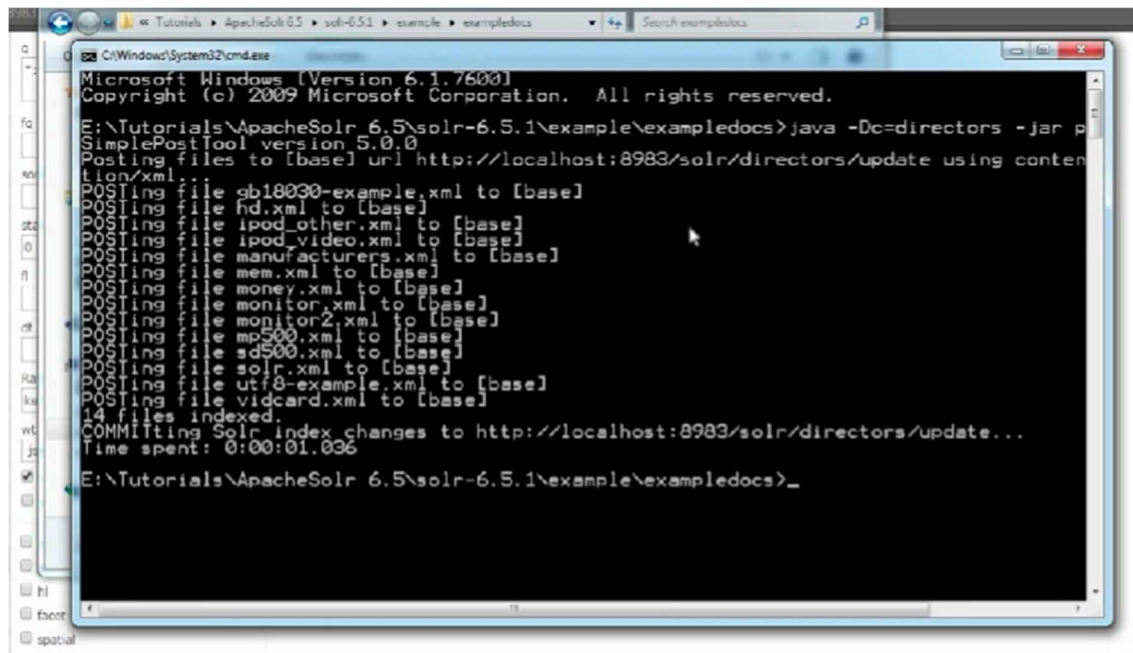
To click post.jar then copy the path , that will paste in the command prompt. That can open on this model.



Then we given to the command prompt java -Dc=directors -jar post . jar x.xml



That can be executed on this model in command prompt.

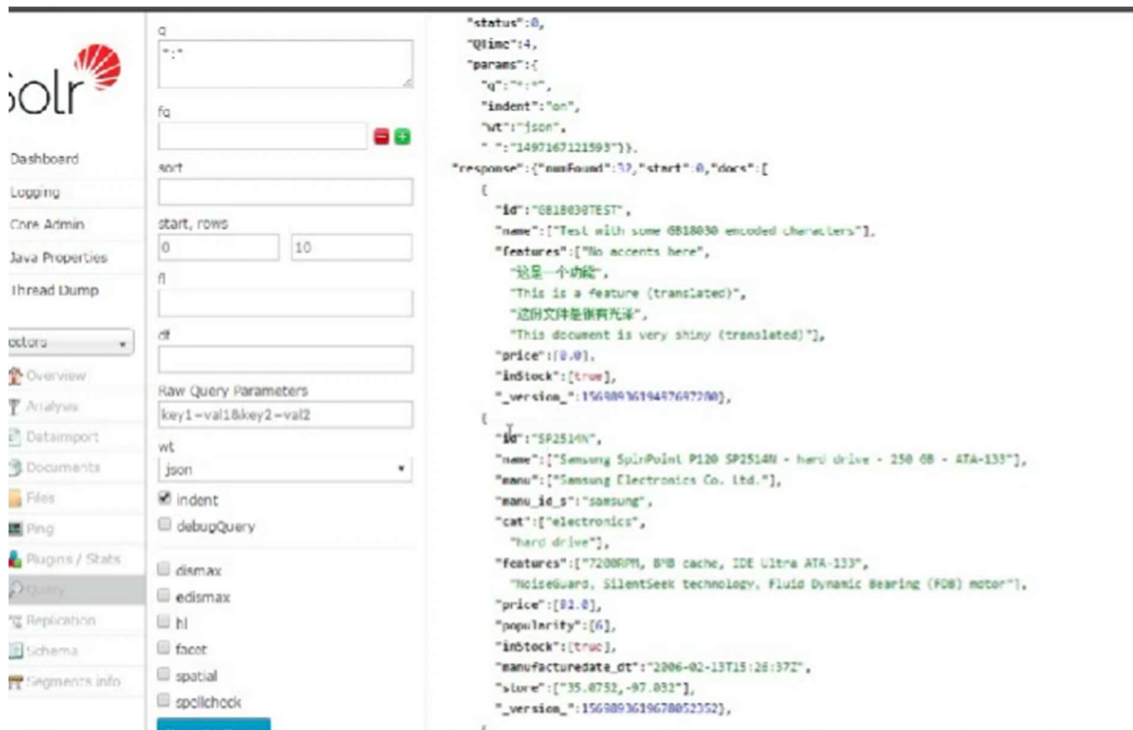


```
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

E:\Tutorials\ApacheSolr 6.5\solr-6.5.1\example\exampledocs>java -Dc=directors -jar p
SimplePostTool version 5.0.0
Posting files to [base] url http://localhost:8983/solr/directors/update using conten
tion/xml...
Posting file gb18030-example.xml to [base]
Posting file hd.xml to [base]
Posting file ipod_other.xml to [base]
Posting file ipod_video.xml to [base]
Posting file manufacturers.xml to [base]
Posting file mem.xml to [base]
Posting file money.xml to [base]
Posting file monitor.xml to [base]
Posting file monitor2.xml to [base]
Posting file mp500.xml to [base]
Posting file sd500.xml to [base]
Posting file solr.xml to [base]
Posting file utf8-example.xml to [base]
Posting file vidcard.xml to [base]
14 files indexed.
COMMITTING Solr index changes to http://localhost:8983/solr/directors/update...
Time spent: 0:00:01.036

E:\Tutorials\ApacheSolr 6.5\solr-6.5.1\example\exampledocs>_
```

That will execute the all index of given data. In the given sample document are given to many of them of topic like music, directors and etc..



The screenshot shows the Apache Solr Admin UI. On the left is a sidebar with navigation links: Dashboard, Logging, Core Admin, Java Properties, Thread Dump, Overview, Analysis, Dataimport, Documents, Files, Ping, Plugins / Stats, Replication, Schema, and Segments info. The main area is divided into two panels. The left panel contains search controls: a query input field with "q:", a facet input field with "fq:", a sort dropdown with "sort", a start/rows input with "start, rows" and values "0" and "10", a raw query parameters input with "key1=val1&key2=val2", a wt dropdown with "wt" and "json" selected, and checkboxes for "indent", "debugQuery", "dismax", "edismax", "hl", "facet", "spatial", and "spellcheck". The right panel displays the JSON response of the query. The response includes a "status" of 0, a "qtime" of 4, and a "response" object containing a "docs" array. The first document in the array has an "id" of "GB18030TEST", a "name" of "Test with some GB18030 encoded characters", and various "features" including "No accents here", "这是一个功能", "This is a feature (translated)", "这份文件是很有趣", and "This document is very shiny (translated)". The second document in the array has an "id" of "SP2514N", a "name" of "Samsung SpinPoint P120 SP2514N - hard drive - 250 GB - ATA-133", and various "features" including "7200RPM, 8MB cache, IDE Ultra ATA-133", "NoiseGuard, SilentSeek technology, Fluid Dynamic Bearing (FDB) motor", and "price" of 82.0.

We track to some id, on that id already given to the sample query.

And, we search any of them of example of given data in fq column in the solr.

