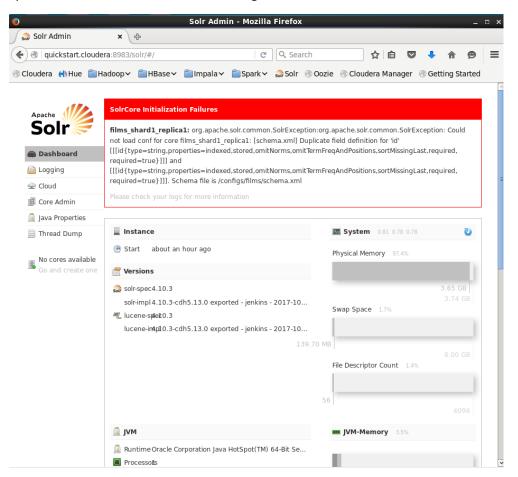
PART 1: FILMS DATASET

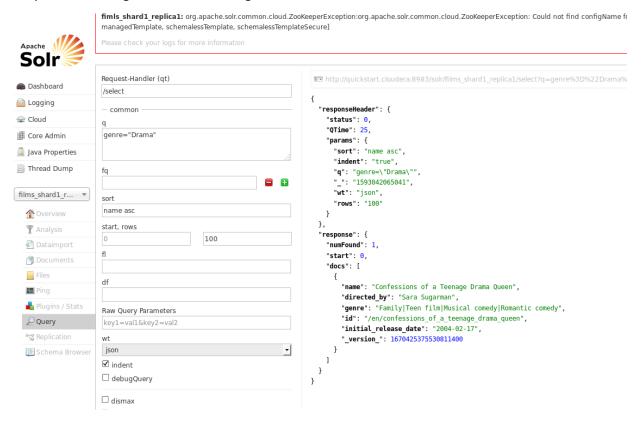
Step 1: Create instancedir and edit the schema.xml

```
[cloudera@quickstart ~]$ solrctl instancedir --generate /tmp/films
Error: subdirectory /tmp/films already exists
[cloudera@quickstart ~]$ ls /tmp/films/
conf
[cloudera@quickstart ~]$ ls /tmp/films/conf/
admin-extra.html
                                         schema analysis synonyms english.json
admin-extra.menu-bottom.html
                                         schema.xml
admin-extra.menu-top.html
                                         schema.xml~
                                         scripts.conf
clustering
currency.xml
                                         solrconfig.xml
elevate.xml
                                         solrconfig.xml.secure
                                         spellings.txt
mapping-FoldToASCII.txt
                                         stopwords.txt
mapping-ISOLatin1Accent.txt
                                         synonyms.txt
protwords.txt
                                         update-script.js
_rest_managed.json
                                         velocity
schema analysis stopwords english.json xslt
[cloudera@quickstart ~]$ gedit /tmp/films/conf/schema.xml&
[1] 11758
[cloudera@quickstart ~]$ 🛮
```

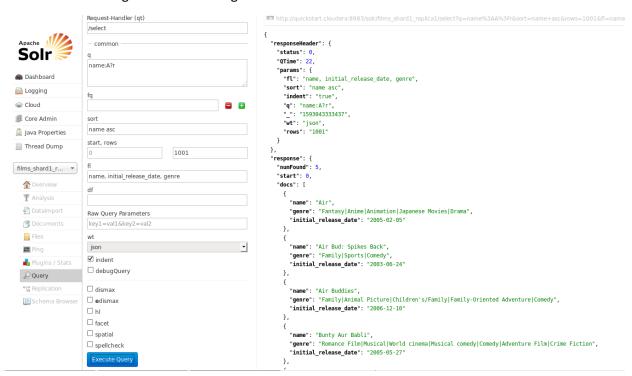
Step 3: Open Solr web interface and start working on the films dataset



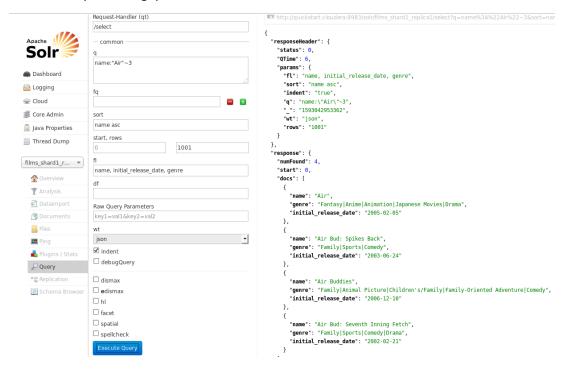
QUERY 1 - Keyword matching: Print movies with genres = drama



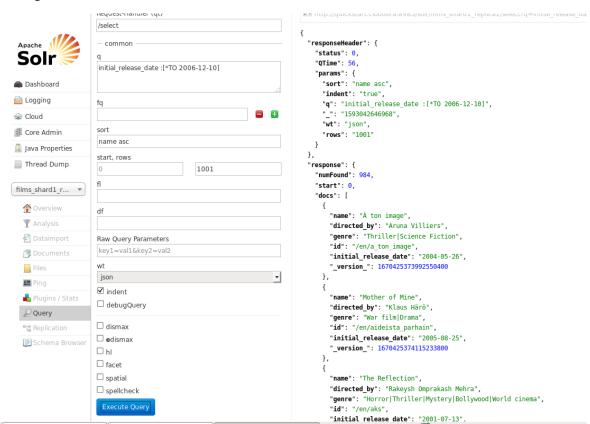
QUERY 2 - Wildcard matching: The search string "A?" would match both test and text.



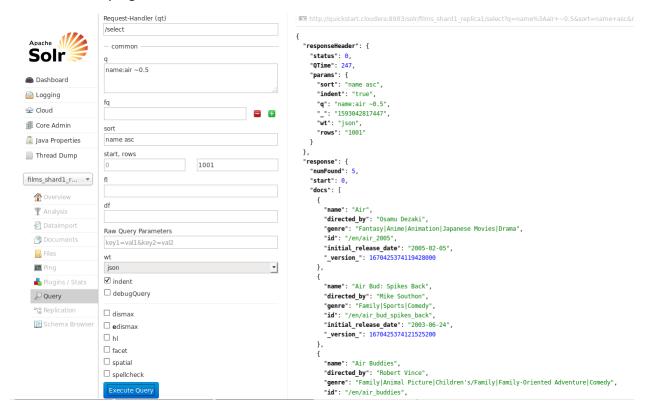
QUERRY 3 - Proximity matching: print movie name "air" within 3 words of each other in a document.



QUERY 4 - Range searches: movie release before 2006-12-10



QUERRY 5 - Fuzzy logic: Select movie contain word "air" 50%



PART 2: BOOKS DATASET

Step 1: Create instancedir and edit the schema.xml

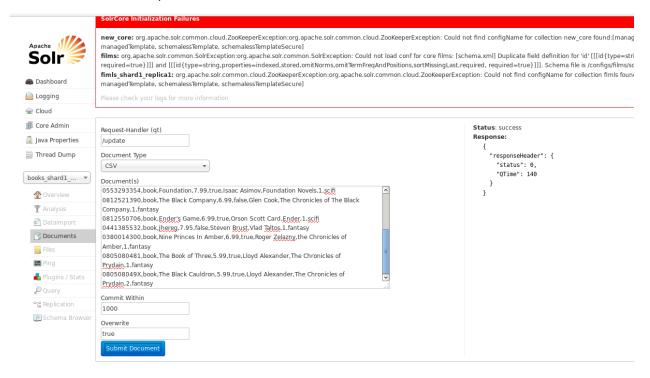
```
[cloudera@quickstart ~]$ solrctl instancedir --generate /tmp/books
[cloudera@quickstart ~]$ gedit /tmp/books/conf/schema.xml&
[1] 13923
```

```
*schema.xml (/tmp/books/conf) - gedit
                                                                                                                                                                                                                                            _ 🗆 🗙
File Edit View Search Tools Documents Help
          Page of the Page 
*schema.xml *
      <field name="id" type="string" indexed="true" stored="true" required="true" multiValued="false" />
      <!-- points to the root document of a block of nested documents. Required for nested
                  document support, may be removed otherwise
      <field name=" root " type="string" indexed="true" stored="false"/>
      <field name="sku" type="text en splitting tight" indexed="true" stored="true" omitNorms="true"/>
      <field name="name" type="text general" indexed="true" stored="true"/>
<field name="manu" type="text_general" indexed="true" stored="true" omitNorms="true"/>
       <field name="cat" type="string" indexed="true" stored="true" multiValued="true"/>
       <field name="features" type="text general" indexed="true" stored="true" multiValued="true"/>
       <field name="includes" type="text_general" indexed="true" stored="true" termVectors="true"</pre>
termPositions="true" termOffsets="true" />
       <field name="weight" type="float" indexed="true" stored="true"/>
       <field name="price" type="float" indexed="true" stored="true"/>
      <field name="popularity" type="int" indexed="true" stored="true" />
<field name="inStock" type="boolean" indexed="true" stored="true" />
      <field name="store" type="location" indexed="true" stored="true"/>
      <field name="series t" type="text general" indexed="true" stored="true"/>
      <field name="sequence i" type="text general" indexed="true" stored="true"/>
      <field name="genre s" type="text general" indexed="true" stored="true"/>
       <!-- Common metadata fields, named specifically to match up with
                                                                                                                                            XML V Tab Width: 8 V Ln 124, Col 68
```

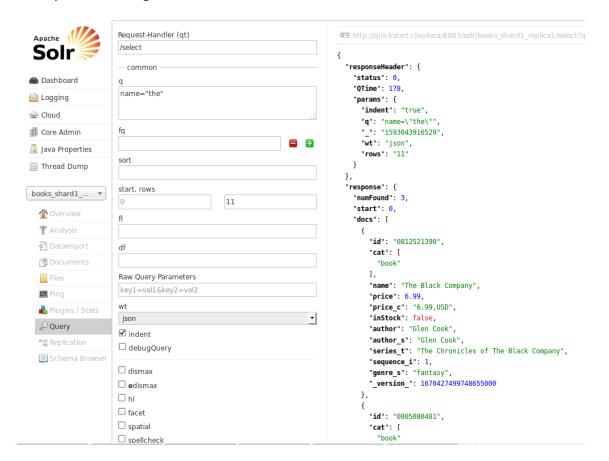
Step 2: Create a new books instancedir.

[cloudera@quickstart ~]\$ solrctl instancedir --create books /tmp/books
Uploading configs from /tmp/books/conf to quickstart.cloudera:2181/solr. This ma
y take up to a minute.
[cloudera@quickstart ~]\$ solrctl collection --create books

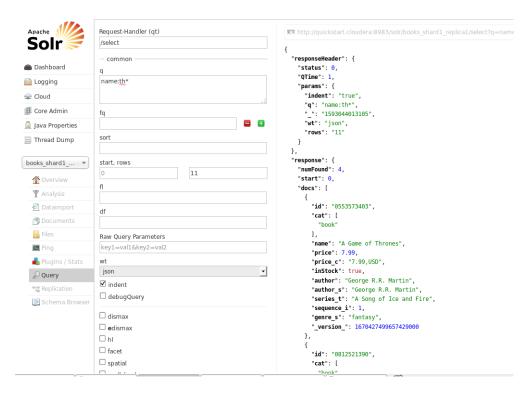
Step 3: Go to web browser and open solr



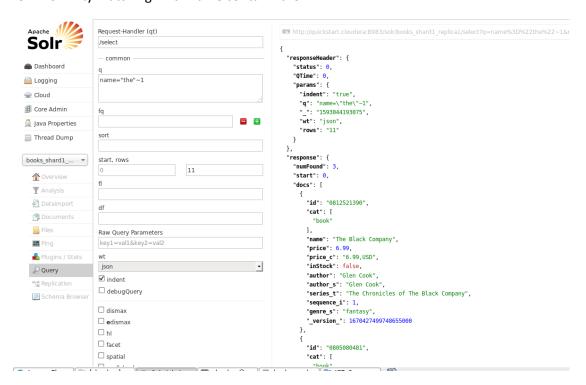
QUERRY 1 - Keyword matching: find books in which its name contain "the"



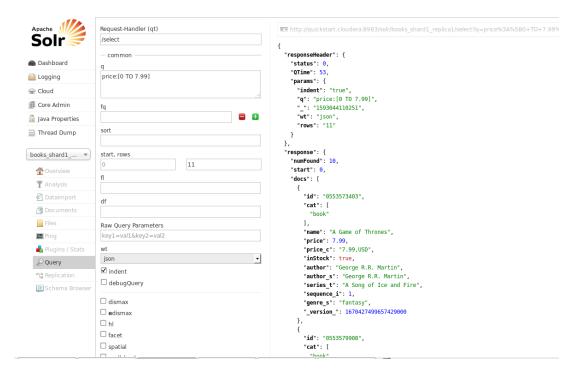
QUERRY 2 - Wildcard matching: name:th*



QUERRY 3 - Proximity matching: with name contain "the"



QUERRY 4 - Range searches: search books with price between 0 and 7.99



QUERRY 5 - Fuzzy logic: select book name contain "Book" with 80% similarity.

