Solr 的Java 操作

下面我们使用Java来实现索引的增，删，改，查

1.添加依赖

<**dependency**>  
 <**groupId**>junit</**groupId**>  
 <**artifactId**>junit</**artifactId**>  
 <**version**>3.8.1</**version**>  
 <**scope**>test</**scope**>  
</**dependency**>  
  
*<!-- https://mvnrepository.com/artifact/org.apache.solr/solr-solrj -->*<**dependency**>  
 <**groupId**>org.apache.solr</**groupId**>  
 <**artifactId**>solr-solrj</**artifactId**>  
 <**version**>5.2.0</**version**>  
</**dependency**>  
*<!-- https://mvnrepository.com/artifact/commons-logging/commons-logging -->*<**dependency**>  
 <**groupId**>commons-logging</**groupId**>  
 <**artifactId**>commons-logging</**artifactId**>  
 <**version**>1.2</**version**>  
</**dependency**>  
  
<**dependency**>  
 <**groupId**>mysql</**groupId**>  
 <**artifactId**>mysql-connector-java</**artifactId**>  
 <**version**>6.0.6</**version**>  
</**dependency**>

相关代码如下:

**public class** SolrUtil {  
  
 **public static void** main(String[] args) **throws** IOException, SolrServerException, SQLException {  
 SolrUtil solrUtil = **new** SolrUtil();  
  
 *// solrUtil.deleteQueryDocument();  
  
 // solrUtil.addDocument();  
  
 // solrUtil.deleteDocument("5454");* solrUtil.queryDocument();  
 }  
  
 **public void** addDocument() **throws** IOException, SolrServerException, SQLException {  
 HttpSolrClient client = **new** HttpSolrClient(**"http://localhost:8080/solr/core"**);  
 Connection connection = DriverManager.*getConnection*(**"jdbc:mysql://localhost:3306/test?useSSL=false&serverTimezone=UTC&user=root&password=root"**);  
 Statement statement = connection.createStatement();  
 ResultSet resultSet = statement.executeQuery(**"select id,title from goods"**);  
 **int** count = 0;  
 List<SolrInputDocument> list = **new** ArrayList<SolrInputDocument>();  
  
 System.***out***.println(**new** Date());  
 **while** (resultSet.next()) {  
 String id = resultSet.getString(**"id"**);  
 String title = resultSet.getString(**"title"**);  
 SolrInputDocument solrInputDocument = **new** SolrInputDocument();  
 solrInputDocument.setField(**"id"**, id);  
 solrInputDocument.setField(**"title"**, title);  
 list.add(solrInputDocument);  
 count++;  
 **if** (count % 5000 == 0) {  
 client.add(list);  
 client.commit();  
 System.***out***.println(**"已经提交"** + count);  
 list.clear();  
 }  
 }  
  
 System.***out***.println(**new** Date());  
  
 client.add(list);  
 client.commit();  
 }  
  
  
 **public void** deleteQueryDocument() **throws** IOException, SolrServerException {  
 HttpSolrClient client = **new** HttpSolrClient(**"http://localhost:8080/solr/core"**);  
 client.deleteByQuery(**"id:\*"**);  
 client.commit();  
 }  
  
  
 **public void** deleteDocument(String id) **throws** IOException, SolrServerException {  
 HttpSolrClient client = **new** HttpSolrClient(**"http://localhost:8080/solr/core"**);  
 client.deleteById(id);  
 client.commit();  
 }  
  
 **public void** queryDocument() **throws** IOException, SolrServerException {  
 HttpSolrClient client = **new** HttpSolrClient(**"http://localhost:8080/solr/core"**);  
 SolrQuery solrQuery = **new** SolrQuery();  
 solrQuery.set(**"q"**, **"title:包包"**);  
 solrQuery.set(**"start"**, 0);  
 solrQuery.setHighlight(**true**);  
 solrQuery.addHighlightField(**"title"**);  
 solrQuery.setHighlightSimplePre(**"<b>"**);  
 solrQuery.setHighlightSimplePost(**"</b>"**);  
 solrQuery.addSort(**"title"**, SolrQuery.ORDER.***asc***);  
  
  
 solrQuery.set(**"rows"**, 10);  
 QueryResponse response = client.query(solrQuery);  
 SolrDocumentList resultList = response.getResults();  
 **long** num = resultList.getNumFound();  
 System.***out***.println(**"条数"** + num);  
 System.***out***.println(**"开始条数"** + resultList.getStart());  
 Map<String, Map<String, List<String>>> highLigthing = response.getHighlighting();  
 **for** (SolrDocument solrDocument : resultList) {  
 String id = (String) solrDocument.get(**"id"**);  
 System.***out***.println(**"id:"** + id);  
 System.***out***.println(**"title:"** + solrDocument.get(**"title"**));  
 **if** (highLigthing != **null**) {  
 Map<String, List<String>> hightMap = highLigthing.get(id);  
 List<String> hs = hightMap.get(**"title"**);  
 System.***out***.println(**"高亮title"** + hs.get(0));  
  
 }  
 }  
 }  
  
  
}