---------------搜索文档-------------------

PUT /students

{

"mappings": {

"properties": {

"id": {

"type": "integer",

"index": true

},

"name": {

"type": "text",

"store": true,

"index": true,

"analyzer": "ik\_smart"

},

"info": {

"type": "text",

"store": true,

"index": true,

"analyzer": "ik\_smart"

}

}

}

}

------------测试数据---------------------------

POST /students/\_doc/

{

"id":1,

"name":"百战程序员",

"info":"I love baizhan"

}

POST /students/\_doc/

{

"id":2,

"name":"美羊羊",

"info":"美羊羊是羊村最漂亮的人"

}

POST /students/\_doc/

{

"id":3,

"name":"懒羊羊",

"info":"懒羊羊的成绩不是很好"

}

POST /students/\_doc/

{

"id":4,

"name":"小灰灰",

"info":"小灰灰的年纪比较小"

}

POST /students/\_doc/

{

"id":5,

"name":"沸羊羊",

"info":"沸羊羊喜欢美羊羊"

}

POST /students/\_doc/

{

"id":6,

"name":"灰太狼",

"info":"灰太狼是小灰灰的父亲，每次都会说我一定会回来的"

}

--------------------文档搜索-----------------------------------

GET /students/\_search

{

"query": {

// 搜索方式 : 搜索参数 -> match\_all：查询所有文档

"match\_all": {}

}

}

GET /students/\_search

{

"query": {

// 搜索方式 : 搜索参数 -> match：全文检索。将查询条件分词后再进行搜索。

"match": {

"info": "漂亮的"

}

}

}

--------------自动纠错---------------

GET /students/\_search

{

"query": {

// 搜索方式 : 搜索参数 -> match：ES搜索提供了自动纠错功能，即ES的模糊查询 fuzziness不能过2

"match": {

"info": {

"query": "qwve",

"fuzziness": 2

}

}

}

}

--------------范围搜索---会分词------------

GET /students/\_search

{

"query": {

"range": {

"id": {

"gt": 1,

"lt": 4

}

}

}

}

--------------短语检索搜索----不会分词-----------

//短语检索。搜索条件不做任何分词解析，在搜索字段对应的倒排索引中精确匹配

GET /students/\_search

{

"query": {

"match\_phrase": {

"info": "灰"

}

}

}

{

// term/terms：单词/词组搜索。搜索条件不做任何分词解析，在搜索字段对应的倒排索引中精确匹配

}

GET /students/\_search

{

"query": {

"term": {

"info": {

"value": "羊"

}

}

}

}

GET /students/\_search

{

"query": {

"terms": {

"info": [

"成绩",

"不知道"

]

}

}

}

# 复合搜索

GET /students/\_search

{

"query": {

"bool": {

//必须满足

"must": [

{

"term": {

"info": {

"value": "成绩"

}

}

},

{

"range": {

"id": {

"gte": 1,

"lte": 3

}

}

}

]

}

}

}

GET /students/\_search

{

"query": {

"bool": {

// 满足其一

"should": [

{

"term": {

"info": {

"value": "成绩"

}

}

},

{

"range": {

"id": {

"gte": 1,

"lte": 3

}

}

}

]

}

}

}

GET /students/\_search

{

"query": {

"bool": {

// 均不满足

"must\_not": [

{

"term": {

"info": {

"value": "成绩"

}

}

},

{

"range": {

"id": {

"gte": 1,

"lte": 3

}

}

}

]

}

}

}

---------联合使用----------------

GET /students/\_search

{

"query": {

"bool": {

//必须满足

"must": [

{

"match": {

"info": "美羊羊喜欢成绩好的"

}

}

],

"must\_not": [

{

"range": {

"id": {

"gte": 1,

"lte": 3

}

}

}

]

}

}

}

---------------结果排序--------------------------

GET /students/\_search

{

"query": {

"match": {

"info": "我喜欢成绩好的同学"

}

},

"sort": [

{

"id": {

"order": "desc"

}

}

]

}

--------------分页查询------------------------

GET /students/\_search

{

"query": {

"match\_all": {}

},

// 倒序 取前三条

"sort": [

{

"id": {

"order": "desc"

}

}

],

"from": 0,

"size": 3

}

-------------\_高亮查询--------------

GET /students/\_search

{

"query": {

"match": {

"info": "我喜欢成绩好的同学"

}

},

"highlight": {

"fields": {

"info": {

"fragment\_size": 100,

"number\_of\_fragments": 5

}

},

"pre\_tags": ["<em>"],

"post\_tags": ["</em>"]

}

}

#SQL查询

GET /\_sql?format=txt

{

"query": "SELECT \* FROM students where id = 3"

}

GET /product/\_search

{

"query": {

"match\_all": {}

}

}

GET /students/\_search

{

"query": {

"match\_all": {}

}

}