

## EShw02

1. 简述text数据类型和keyword数据类型的使用场景。

text和keyword的区别在于是否使用analyzer进行分词处理。

所以text适用于需要对大段文本进行分词的场景，如查找含有某个term的文本

keyword适用于不分词的场景，也就是完全匹配，如匹配药品名。

2. 运行一个copy\_to的例子

```
DELETE my_index
PUT my_index
{
  "mappings": {
    "_doc": {
      "properties": {
        "first_name": {
          "type": "text",
          "copy_to": "full_name"
        },
        "last_name": {
          "type": "text",
          "copy_to": "full_name"
        },
        "full_name": {
          "type": "text"
        }
      }
    }
  }
}

PUT my_index/_doc/1
{
  "first_name": "John",
  "last_name": "Smith"
}

GET my_index/_search
{
  "query": {
    "match": {
      "full_name": {
        "query": "John Smith",
        "operator": "and"
      }
    }
  }
}
```

```
1 {
2   "took": 375,
3   "timed_out": false,
4   "_shards": {
5     "total": 5,
6     "successful": 5,
7     "skipped": 0,
8     "failed": 0
9   },
10  "hits": {
11    "total": 1,
12    "max_score": 0.5753642,
13    "hits": [
14      {
15        "_index": "my_index",
16        "_type": "_doc",
17        "_id": "1",
18        "_score": 0.5753642,
19        "_source": {
20          "first_name": "John",
21          "last_name": "Smith"
22        }
23      }
24    ]
25  }
26 }
```

3. 运行一个动态模板的例子， 截图

```

PUT my_index
{
  "mappings": {
    "_doc": {
      "dynamic_templates": [
        {
          "integers": {
            "match_mapping_type":
"long",
            "mapping": {
              "type": "integer"
            }
          },
          {
            "strings": {
              "match_mapping_type":
"string",
              "mapping": {
                "type": "text",
                "fields": {
                  "raw": {
                    "type":
"keyword",
                    "ignore_above":
256
                }
              }
            }
          }
        ]
      }
    }
  }
}

PUT my_index/_doc/1
{
  "my_integer": 5,
  "my_string": "Some string"
}

```

```
GET my_index/_mapping
```

```

1 {
2   "my_index": {
3     "mappings": {
4       "_doc": {
5         "dynamic_templates": [
6           {
7             "integers": {
8               "match_mapping_type": "long",
9               "mapping": {
10                "type": "integer"
11              }
12            },
13            {
14              "strings": {
15                "match_mapping_type": "string",
16                "mapping": {
17                  "fields": {
18                    "raw": {
19                      "ignore_above": 256,
20                      "type": "keyword"
21                    }
22                  },
23                  "type": "text"
24                }
25              }
26            }
27          ],
28          "properties": {
29            "my_integer": {
30              "type": "integer"
31            },
32            "my_string": {
33              "type": "text",
34              "fields": {
35                "raw": {
36                  "type": "keyword",
37                  "ignore_above": 256
38                }
39              }
40            }
41          }
42        }
43      }
44    }
45  }
46 }

```

In [ ]: