**1) Display All Documents**

a) GET /sales/\_search?q=\*

b) GET /sales/\_search

{

"query": {

"match\_all": {}

}

}

**2) Request UI search**

GET /sales/\_search?q=name:cooking gear

**3) Request UI search – AND Keywords**

GET /sales/\_search?q=name:cooking gear+product:canteen

**5) Term Query**

GET /sales/\_search

{

"query" : {

"term" :{

"Retailer type.keyword": "Outdoors Shop"

}

}

}

**6) Multiple terms**

GET /sales/\_search

{

“query" : {

"terms" :{

"Retailer type.keyword":

["Outdoors Shop","Golf Shop"

]

}

}

}

**7) Full Text Search- match**

GET /sales/\_search

{

"query" : {

"match":{

"Product type" : "cooking"

}

}

}

GET /sales/\_search

{

"query" : {

"bool":{

"should": [

{"match" :{ "Retailer type" : "outdoor shop"}},

{"match" : {"Retailer country" : "United States" }}

]

}

}

}

**8) Range Queries**

GET /sales/\_search

{

"query" : {

"range" :{

"Year": {

"gte" : "2012",

"lte" : "2013"

}

}

}

}

**9) Matching with Non null values**

GET /sales/\_search

{

"query" : {

"exists" :{

"field": "Retailer type"

}

}

}

**10) Matching Prefix**

GET /sales/\_search

{

"query" : {

"prefix" :{

"Product.keyword": "Trail"

}

}

}

**11) Wild Cards**

GET /sales/\_search

{

"query" : {

"wildcard" :{

"Product.keyword": "Trail\*"

}

}

}

**12) Match Phrases**

GET /sales/\_search

{

"query":{

"match ": {

"message": "Gold Equipment" This will match because of Equipment word

}

}

}

GET /sales/\_search {

"query" : {

"match\_phrase" :

{

" message " : " Gold Equipment " Wont match because this phrase doesn’t exist

}

}

}

**13) Bool Queries – Compound queries**

GET /terror/\_search

{

"query" : {

"bool":{

"must": [

{

"match" : {

"country\_txt" : "india"

}

},

{"range" : {

"iyear" : {

"gte" : "1976",

"lte" : "1980"

}

}

}

]

}

}

}

**14) Joining queries**

a) Create index Department

PUT /department

{

"mappings":{

"doc":{

"properties" :{

"name":{

"type" : "text"

},

"employees" :

{

"type" : "nested"

}

}

}

}

}

b) Insert Documents

PUT department/doc/1

{

"name" : "Accounts",

"employees": [

{

"name" : "Harry",

"age" : "56",

"role" : "Head"

},

{

"name" : "Alan",

"age" : "47",

"role" : "Sr Accountant"

},

{

"name" : "Simon",

"age" : "26",

"role" : "Intern"

},

{

"name" : "Larry",

"age" : "23",

"role" : "Intern"

}

]

}

c) Search

GET /department/\_search

{

"query": {

"nested":{

"path" : "employees",

"query" :{

"match" : {

"employees.name": "Harry"

}

}

}

}

}

GET /department/\_search

{

"query": {

"nested":{

"path" : "employees",

"query" :{

"bool":{

"must": [

{ "match" : {"employees.role": "Intern"}},

{ "range" : {"employees.age": {"gte": "20" ,"lte": "30" }}}

]

}

}

}}}

**15) Fuzzy match**

GET /terror/\_search

{

"query": {

"fuzzy" : {

"country\_txt": {

"value": "Ind",

"fuzziness": 2

}

}

}

}

**16) Bulk Upload**

**PUT /sales/order/\_bulk**

**Copy and paste the JSON Document**

{"index":{"\_id":1}}

{"purchased\_at":"2016-07-10T16:52:43Z","lines":[{"product\_id":6,"amount":71.32,"quantity":1},{"product\_id":3,"amount":58.96,"quantity":3},{"product\_id":1,"amount":29.8,"quantity":3}],"total\_amount":160.08,"salesman":{"id":11,"name":"Matthus Mitkcov"},"sales\_channel":"store","status":"processed"}

{"index":{"\_id":2}}

{"purchased\_at":"2016-03-08T16:18:37Z","lines":[{"product\_id":7,"amount":31.44,"quantity":2},{"product\_id":4,"amount":74.82,"quantity":2}],"total\_amount":106.26,"salesman":{"id":79,"name":"Ulberto Woodruff"},"sales\_channel":"store","status":"completed"}

**16) Aggregations**

GET quarterly\_sales/data/\_search

{

"size": "0",

"aggs":{

"total sales":{

"sum":{

"field" : "total\_amount"

}

}

}

}

GET quarterly\_sales/data/\_search

{

"size": "0",

"aggs":{

"Total Salesman":{

"cardinality":{

"field" : "salesman.id"

}

}

}

}

GET quarterly\_sales/data/\_search

{

"size": "0",

"aggs":{

"Max Sales":{

"max":{

"field" : "total\_amount"

}

}

}

}

GET quarterly\_sales/data/\_search

{

"size": "0",

"aggs":{

"Min Sales":{

"min":{

"field" : "total\_amount"

}

}

}

}

**Monitoring**

GET /\_cat/health?v

GET \_cluster/health

GET \_cluster/health?level=indices

GET /department/doc/1/

GET \_cluster/health?level=shards

GET \_nodes/stats