

## #####LAB 4 #####Queries

### ##Introducing the Query Language

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '{
  "query": { "match_all": {} },
  "size": 1
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '{
  "query": { "match_all": {} },
  "from": 10,
  "size": 10
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '{
  "query": { "match_all": {} },
  "sort": { "balance": { "order": "desc" } }
}'
```

### ##Executing Searches #####

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '{
  "query": { "match_all": {} },
  "_source": ["account_number", "balance"]
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '{
  "query": { "match": { "account_number": 20 } }
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '{
  "query": { "match": { "address": "mill" } }
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '{
  "query": { "match": { "address": "mill lane" } }
}'
```

```
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '  
{  
  "query": { "match_phrase": { "address": "mill lane" } }  
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '  
{  
  "query": {  
    "bool": {  
      "must": [  
        { "match": { "address": "mill" } },  
        { "match": { "address": "lane" } }  
      ]  
    }  
  }  
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '  
{  
  "query": {  
    "bool": {  
      "should": [  
        { "match": { "address": "mill" } },  
        { "match": { "address": "lane" } }  
      ]  
    }  
  }  
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '  
{  
  "query": {  
    "bool": {  
      "must_not": [  
        { "match": { "address": "mill" } },  
        { "match": { "address": "lane" } }  
      ]  
    }  
  }  
}'
```

```
curl -XPOST 'localhost:9200/bank/_search?pretty' -d '
{
  "query": {
    "bool": {
      "must": [
        { "match": { "age": "40" } }
      ],
      "must_not": [
        { "match": { "state": "ID" } }
      ]
    }
  }
}'
```

#####twitter search

```
curl -XGET 'http://localhost:9200/twitter/_search?q=user:kimchy'
```

```
curl -XGET 'http://localhost:9200/twitter/tweet,user/_search?q=user:kimchy'
```

```
curl -XGET 'http://localhost:9200/kimchy,elasticsearch/tweet/_search?q=tag:wow'
```

```
curl -XGET 'http://localhost:9200/_all/tweet/_search?q=tag:wow'
```

```
curl -XGET 'http://localhost:9200/_search?q=tag:wow'
```

```
curl -XGET 'http://localhost:9200/twitter/tweet/_search?q=user:kimchy'
```

```
curl -XGET 'http://localhost:9200/twitter/tweet/_search' -d '{
  "query" : {
    "term" : { "user" : "kimchy" }
  }
}'
```

Import Shakespeare Data  
Execute Shakespeare searches

Import any of the datasets.. ..import

