

match all query

```
{
  "match_all": {}
}
```

match query

```
{
  "match": {
    "message": "this is a test"
  }
}
```

filtered query

If no query, default to match_all

```
{
  "filtered": {
    "query": {
      "match": { "tweet": "full text search" }
    },
    "filter": {
      "range": { "created": { "gte": "now - 1d / d" } }
    }
  }
}
```

multi_match query

```
{
  "multi_match": {
    "query": "this is a test",
    "fields": [ "subject", "message" ]
  }
}
```

bool query

```
{
  "bool": {
    "must": {
      "term": { "user": "kimchy" }
    },
    "must_not": {
      "range": {
        "age": { "from": 10, "to": 20 }
      }
    },
    "should": [
      {
        "term": { "tag": "wow" }
      },
      {
        "term": { "tag": "elasticsearch" }
      }
    ],
    "minimum_should_match": 1,
    "boost": 1.0
  }
}
```

range query

```
{
  "range": {
    "age": {
      "gte": 10,
      "lte": 20
    }
  }
}

{
  "range": {
    "born": {
```



range query (cont)

```
>      "gte": "2012-01-01",
      "lte": "now",
      "time_zone": "+1:00"
    }
  }
}
```

fuzzy query

Apply +/- margin

```
{
  "fuzzy" : {
    "price" : {
      "value" : 12,
      "fuzziness" : 2
    }
  }
}

{
  "fuzzy" : {
    "created" : {
      "value" : "2010-02-05T12:05:07",
      "fuzziness" : "1d"
    }
  }
}
```

nested query

Nested objects with nested mappings

```
{
  "nested" : {
    "path" : "obj1",
    "query" : {
      "bool" : {
        "must" : [
          {
```

nested query (cont)

```
>      "match" : {"obj1.name" : "blue"}
    },
    {
      "range" : {"obj1.count" : {"gt" : 5}}
    }
  ]
}
}
```

prefix query

```
{
  "prefix" : { "user" : "ki" }
}
```

regexp query

```
{
  "regexp" : {
    "name.first" : "s.*y"
  }
}
```

and filter

The result of the filter is not cached by default

```
(_cache:true)
{
  "filtered" : {
    "query" : {
      "term" : { "name.first" : "shay" }
    },
    "filter" : {
      "and" : {
        "filters" : [
          {
            "range" : {
              "posted" : {
```



and filter (cont)

```
>
    "from" : "2010-03-01",
    "to" : "2010-04-01"
  }
}
},
{
  "prefix" : { "name.second" : "ba" }
}
],
"_cache" : true
}
}
}
```

bool filter

```
{
  "fil ter ed" : {
    "fil ter " : {
      "boo l" : {
        "mus t" : {
          "ter m" :
{ " tag " : " wow " }
        },
        "mus t_n ot" : {
          "ran ge" :
{
            " -
age " : { " fro m" : 10, " to" : 20 }
          },
          "sho uld " : [
            {
              " -
ter m" : { " tag " : " som eta g" }
            },
            {
              " -
ter m" : { " tag " : " som eta gta g" }
            }
          ]
        }
      }
    }
  }
}
```

bool filter (cont)

```
>
    ]
  }
}
}
```

geo distance filter

Require a geo point mapping type

```
{
  "fil ter ed" : {
    "que ry" : {
      "mat ch_ all " : {}
    },
    "fil ter " : {
      "geo _di sta nce " : {
        "dis tan ce" :
" 200 km",
        "pin.lo cat -
ion " : {
          "lat " :
40,
          "lon " :
-70
        }
      }
    }
  }
}
```

nested filter

```
{
  "fil ter ed" : {
    "fil ter " : {
      "nes ted " : {
        "pat h" : " obj -
1",
        "fil ter " : {
          "boo l" :
{
            " -
mus t" : [
              " -
            ]
          }
        }
      }
    }
  }
}
```



nested filter (cont)

```
>      "term" : {"obj1.name" : "blue"}
      },
      {
        "range" : {"obj1.count" : {"gt" : 5}}
      }
    ]
  }
}
}
```

not filter

```
{
  "filtered" : {
    "filter" : {
      "not" : {
        "range" : {
          "postDate" : {
            "from" : "2010-03-01",
            "to" : "2010-04-01"
          }
        }
      }
    }
  }
}
```

not filter

```
{
  "filtered" : {
    "filter" : {
      "not" : {
        "range" : {
```

not filter (cont)

```
>      "postDate" : {
        "from" : "2010-03-01",
        "to" : "2010-04-01"
      }
    }
  }
}
```

nested filter

```
{
  "filtered" : {
    "filter" : {
      "nested" : {
        "path" : "obj1",
        "filter" : {
          "bool" : {
            "must" : [
              {
                "term" : {"obj1.name" : "blue"}
              },
              {
                "range" : {"obj1.count" : {"gt" : 5}}
              }
            ]
          }
        }
      }
    }
  }
}
```

