**#mapping**

PUT /marks\_missing

{

"mappings":{

"properties": {

"student\_name":{"type":"text"},

"student\_result":{

"type":"nested",

"properties":{

"subject":{"type":"text"},

"marks":{"type":"integer"}

}

}

}

}

}

**# indexing a document with an empty value for a filed**

POST /marks\_missing/\_doc/1

{

"student\_name":"AAA",

"student\_result":[

{

"subject":"english",

"marks":23

},

{

"subject":"physics",

"marks":39

},

{

"subject":"maths",

"marks":78

},

{

"subject":"chemistry",

"marks": 56

},

{

"subject":"lab",

"marks":null

}

]

}

**# Query to get an certain subject marks**

GET /marks\_missing/\_search

{

"\_source": false,

"query":{

"nested": {

"path": "student\_result",

"inner\_hits": {

"\_source": "student\_result.marks"

},

"query": {

"match": {"student\_result.subject": "english"}

}

}

}

}

**#result**

{

"took": 1,

"timed\_out": false,

"\_shards": {

"total": 1,

"successful": 1,

"skipped": 0,

"failed": 0

},

"hits": {

"total": {

"value": 1,

"relation": "eq"

},

"max\_score": 1.3862942,

"hits": [

{

"\_index": "marks\_missing",

"\_id": "1",

"\_score": 1.3862942,

"inner\_hits": {

"student\_result": {

"hits": {

"total": {

"value": 1,

"relation": "eq"

},

"max\_score": 1.3862942,

"hits": [

{

"\_index": "marks\_missing",

"\_id": "1",

"\_nested": {

"field": "student\_result",

"offset": 0

},

"\_score": 1.3862942,

"\_source": {

**"marks": 23**

}

}

]

}

}

}

}

]

}

}

**# Query to get only passed subjects**

GET /marks\_missing/\_search

{

"\_source": false,

"query":{

"nested": {

"path": "student\_result",

"inner\_hits": {

"\_source": "student\_result.subject"

},

"query": {

"range": {

"student\_result.marks": {

"gte": 35

}

}

}

}

}

}

**#result**

{

"took": 1,

"timed\_out": false,

"\_shards": {

"total": 1,

"successful": 1,

"skipped": 0,

"failed": 0

},

"hits": {

"total": {

"value": 1,

"relation": "eq"

},

"max\_score": 1,

"hits": [

{

"\_index": "marks\_missing",

"\_id": "1",

"\_score": 1,

"inner\_hits": {

"student\_result": {

"hits": {

"total": {

"value": 3,

"relation": "eq"

},

"max\_score": 1,

"hits": [

{

"\_index": "marks\_missing",

"\_id": "1",

"\_nested": {

"field": "student\_result",

"offset": 1

},

"\_score": 1,

"\_source": {

"subject": "physics"

}

},

{

"\_index": "marks\_missing",

"\_id": "1",

"\_nested": {

"field": "student\_result",

"offset": 2

},

"\_score": 1,

"\_source": {

"subject": "maths"

}

},

{

"\_index": "marks\_missing",

"\_id": "1",

"\_nested": {

"field": "student\_result",

"offset": 3

},

"\_score": 1,

"\_source": {

"subject": "chemistry"

}

}

]

}

}

}

}

]

}

}