## Practice Elasticsearch CRUD operations

Instructions:

* In this exercise you’ll learn about Elasticsearch CRUD API
* You’ll also need to read Elasticsearch documentation in order to make it work!
* You may need to review Elasticsearch [Document APIs](https://www.elastic.co/guide/en/elasticsearch/reference/current/docs.html) in order to complete the assignment

Open *marvel sense* at: <http://localhost:9200/_plugin/marvel/sense/index.html>

* Create an index named *[your firstname].[your lastname].catalog*

For example, if my name is Eyal Dahari. My index name would be: *eyal.dahari.catalog*

Very important to have different index names in this class. Do you know Y?

Hint: Think about Ex1 cluster configuration and Elaticsearch multitenancy

* Add a type named *bands* to the catalog with id 1
* The type *bands* is composed by the following fields:
* *title*: the album name. A [string](https://www.elastic.co/guide/en/elasticsearch/reference/1.7/mapping-core-types.html)
* *name*: the band leader name. An [object](https://www.elastic.co/guide/en/elasticsearch/reference/1.7/mapping-object-type.html) composed of 2 fields:

*first*: for the band leader firstname. A [string](https://www.elastic.co/guide/en/elasticsearch/reference/1.7/mapping-core-types.html)

*last*: for the band leader lastname. A [string](https://www.elastic.co/guide/en/elasticsearch/reference/1.7/mapping-core-types.html)

* *publish*\_date: the [date](https://www.elastic.co/guide/en/elasticsearch/reference/1.7/mapping-date-format.html" \l "built-in) the album was released. A [date](https://www.elastic.co/guide/en/elasticsearch/reference/1.7/mapping-date-format.html#built-in)
* *price*: the album [price](https://www.elastic.co/guide/en/elasticsearch/reference/1.7/mapping-core-types.html). An integer.
* Please choose your favorite *band* and fill this info in the new *band* info you are indexing
* Look at the API result, should be something like:

{

"\_index": "catalog",

"\_type": "bands",

"\_id": "1",

"\_version": 1,

"created": true

}

* *GET* the *band* you have just indexed
* *UPDATE* the bands album *price* to *10* and *GET* the *album* once again to validate your operation
* Add another *album* with another *band* of your like. This *album* id would be *2*. Don’t put too much effort into this since you are going to delete this album in the next steps
* *GET* the *albums* you have in your index
* *DELETE* the album you have just created: id *2*
* Validate your deletion

Good Luck!