

Assignment 5: Intro to MongoDB

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- 1) Create database named people:

```
> use people
switched to db people
```

- 2) Create collection named families in people:

```
> db.createCollection("families")
{ "ok" : 1 }
```

- 3) Inserting the “patriarchy” document as an array:

```
> var real_family_tree =
... {
...   "family_tree":[
...     {"first_name":"Avraham", "last_name":"Avinu"},
...     {"first_name":"Sarah", "last_name":"Avinu"},
...     {"first_name":"Avram", "last_name":"Monotheist"},
...     {"first_name":"Sara", "last_name":"Monotheist"},
...     {"first_name":"Yaakov", "last_name":"Avinu", "parents":[{"father":"Avraham Avinu", "mother":"Sarah Avinu"}]},
...     {"first_name":"Leah", "last_name":"Avinu", "parents":[{"father":"Avram Monotheist", "mother":"Sara Monotheist"}]},
...     {"first_name":"Yosef", "last_name":"Avinu", "parents":[{"father":"Yaakov Avinu", "mother":"Leah Avinu"}], "string_prop":"str", "boolean_prop":true, "float_prop":1.1, "int_prop":1},
...     {"first_name":"Reoven", "last_name":"Avinu", "parents":[{"father":"Yaakov Avinu", "mother":"Leah Avinu"}], "string_prop":"str", "boolean_prop":true, "float_prop":1.1, "int_prop":1}
...   ]
... }
```

```
> db.families.insert(real_family_tree);
```

- 4) Amount of elements in families:

```
> db.families.find().length()
1
```

5) Display no-arg find in an organized format:

```
> db.families.find().pretty()
{
  "_id" : ObjectId("602b353a13b1a037f838ae91"),
  "family_tree" : [
    {
      "first_name" : "Avraham",
      "last_name" : "Avinu"
    },
    {
      "first_name" : "Sarah",
      "last_name" : "Avinu"
    },
    {
      "first_name" : "Avram",
      "last_name" : "Monotheist"
    },
    {
      "first_name" : "Sara",
      "last_name" : "Monotheist"
    },
    {
      "first_name" : "Yaakov",
      "last_name" : "Avinu",
      "parents" : [
        {
          "father" : "Avraham Avinu",
          "mother" : "Sarah Avinu"
        }
      ]
    },
    {
      "first_name" : "Leah",
      "last_name" : "Avinu",
      "parents" : [
        {
          "father" : "Avram Monotheist",
          "mother" : "Sara Monotheist"
        }
      ]
    },
    {
      "first_name" : "Yosef",
      "last_name" : "Avinu",
      "parents" : [
        {
          "father" : "Yaakov Avinu",
          "mother" : "Leah Avinu"
        }
      ],
      "string_prop" : "str",
      "boolean_prop" : true,
      "float_prop" : 1.1,
      "int_prop" : 1
    },
    {
      "first_name" : "Reoven",
      "last_name" : "Avinu",
      "parents" : [
        {
          "father" : "Yaakov Avinu",
          "mother" : "Leah Avinu"
        }
      ],
      "string_prop" : "str",
      "boolean_prop" : true,
      "float_prop" : 1.1,
      "int_prop" : 1
    }
  ]
}
```