

# Be a Smooth Operator: Query, Logic, Element, and Array Operators in NoSQL

# Query Operators

- \$eq
- \$ne
- \$gt
- \$gte
- \$lt
- \$lte
- \$in
- \$nin

# Query Operator Syntax

Without an array of keys

```
db.DatabaseName.find({field: {$op: "value"}})
```

With array of keys

```
db.DatabaseName.find({field: {$op: ["value1", "value2"]}})
```

# Logical Operators

- `$and`
- `$or`
- `$not` – will not work with `$eq` or `$nin`
- `$nor`

# Logical Operator Syntax

## `$and / $or / $nor`

```
db.DatabaseName.find( { $op: [ { field1: { $op: "value" } }, { field2: { $op: "value" } } ] } )
```

## `$not`

```
db.DatabaseName.find( { field: { $not: { $op: ['value1', 'value2'] } } } )
```

# Element Operators

- `$exists`

# Element Operator Syntax

```
db.DatabaseName.find({field: {$exists: Boolean}})
```

# Array Operators

- \$all
- \$size



# Array Operator Syntax

- Like query operators

Without an array of keys

```
db.DatabaseName.find({field: {$op: "value"}})
```

With array of keys

```
db.DatabaseName.find({field: {$op: ["value1", "value2"]}})
```