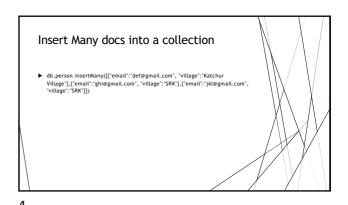


Dataset

| Femail: abc@gmail.com\*, "village\*: SRK"], [email\*: "def@gmail.com\*, "village\*: SRK"], [email\*: "ph@gmail.com\*, "village\*: SRK"], [email\*: "jkl@gmail.com\*, "village\*: SRK"]
| The state of th



## And the result is | `\[ \( \)

Regex

| > db.person.find(['village': /R/])
| > db.person.find(['email': /gmail/])
| > db.person.find(['email': /yahoo/])

6

8

5

## Update Query | searchCriteria = ["village": "SRK"] | updateDetails = ["illage": "Katchur"] | options = ["multi": true] | db.person.update(searchCriteria, updateDetails)

## Update contd., Index by the description of th

7

## How to avoid overwrite. ► Update only required field in a document: ► db.person.update(["village": "Katchur"], [Sset: ["village": "SRK"]]) ► db.person.update(["\_id": ObjectId("")], [Sset: ["modified": "MODIFIED"]])

Update options

▶ options in update:

▶ multi: true

▶ upsert: true

▶ db.person.update(['village": "Katchur"], [\$set: ['village": "\$RK"]])

▶ Insert a new document when search query fetches no documents:

▶ db.person.update(['village": "Katchur"], ['village": "\$RK"], [upsert: true])

10

9

# Chaining ▶ db.person.find(['village": "SRK"]}.limit(2);

# Pagination Fix the slightdue: Cet first five document: Get first five document: Get print find (village ': 'SWC)\_slight\_blient(5) Get print find (village ': '

11 12

### Sort

- ► Sort by "village" in ascending:
- db.person.find().sort({"village":1})
- ► Sort by "village" in descending:
- db.person.find().sort({"village":-1})
- ▶ Sorting on more than one field at a time:
- db.person.find().sort({"email":-1, "village":-1})

13

### Show only some fields of matching documents

- ▶ db.person.find({"village":"SRK"}, {email:true})
- ▶ db.person.find({"village":"SRK"}, {email:true, \_id:false})

14

### Show the first document that matches the query condition

- ► db.person.findOne({}, {\_id:false})

### Remove certain fields of a single document the query condition

- db.person.update({"village": "SRK"}, {\$unset : {email:""}})
- ▶ db.person.update({"village": "SRK"}, {\$unset: {email:""}}, {multi: true})

15

Remove certain fields of all documents that match the query condition

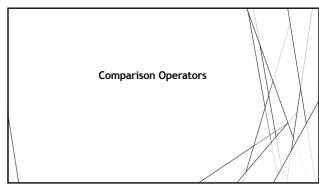
• db.person.update(["village": "SRK"], [Sunset: [category:""]], [multi:true])

17 18

Delete all documents matching a query condition

▶ db.person.remove(["village":"SRK"])

▶



less than

| db.person.find([age: {Stt: 50]}) |

21 22

less than or equal to

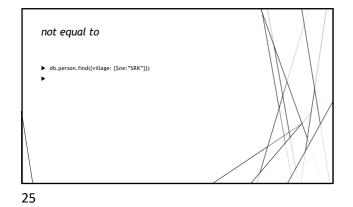
▶ db.person.find([age: {5tte: 40]})

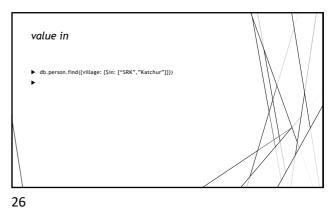
▶

greater than / greater than or equal to

▶ db.person.find([age: {Sgt: 40]})

▶ db.person.find([age: {Sgte: 40]})

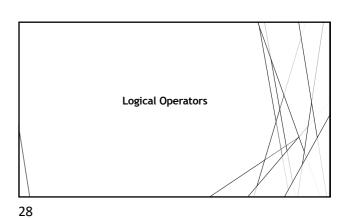


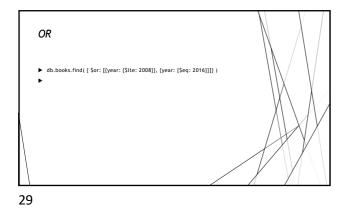


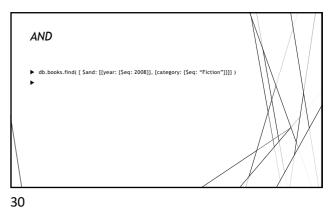
value not in

b db.person.find([village: {Snin: ["SRK","Katchur"]]})

b

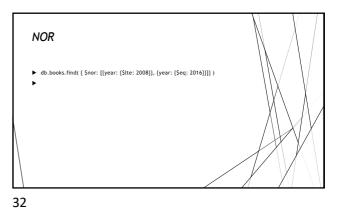


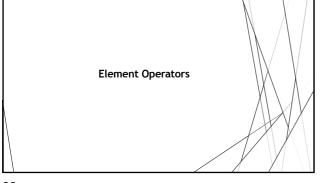




NOT

| db.books.find( {Snot: {year: {Seq: 2016} }}) | |





Match documents that contains that specified field

▶ db.books.find( {category: {\$exists: true }})

▶

33

Match documents whose field value is of the specified BSON data type

▶ db.books.find( [category: {Stype: 2 }])

▶

