Mongodb EMPLOYEE database

>**use employ**

switched to db employ

> **db.createCollection("employee")**

{ "ok" : 1 }

> **show collections**

employee

>
db.employee.insert({id:101,name:"anika",dept:"sales",desig:"hod",sala:3000,yoj:2000,addr:[{dno:123,street:"pullu",locality:"varkala",city:"varkala"}]})

WriteResult({ "nInserted" : 1 })

>
db.employee.insert({id:102,name:"ammu",dept:"clerk",desig:"hod",sala:6000,yoj:2001,addr:[{dno:113,street:"pullu",locality:"varkala",city:"varkala"}]})

WriteResult({ "nInserted" : 1 })

>
db.employee.insert({id:103,name:"vaishu",dept:"cs",desig:"developer",sala:7000,yoj:2001,addr:[{dno:114,street:"pullu",locality:"varkala",city:"varkala"}]})

WriteResult({ "nInserted" : 1 })

>
db.employee.insert({id:104,name:"malu",dept:"cs",desig:"developer",sala:6500,yoj:2022,addr:[{dno:115,street:"pullu",locality:"tvm",city:"tvm"}]})

> **db.employee.find({sala:{$gt:6000,$lt:7500}}).pretty()**

{

    "_id" : ObjectId("62d25050b8a3cb4341d2d30a"),

    "id" : 103,

    "name" : "vaishu",

    "dept" : "cs",

    "desig" : "developer",

    "sala" : 7000,

    "yoj" : 2001,

```
            "addr" : [
                {
                    "dno" : 114,
                    "street" : "pullu",
                    "locality" : "varkala",
                    "city" : "varkala"
                }
            ]
        }
        {
            "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),
            "id" : 104,
            "name" : "malu",
            "dept" : "cs",
            "desig" : "developer",
            "sala" : 6500,
            "yoj" : 2022,
            "addr" : [
                {
                    "dno" : 115,
                    "street" : "pullu",
                    "locality" : "tvm",
                    "city" : "tvm"
                }
            ]
        }
        > db.employee.find({desig:"developer"}).pretty()
        {
            "_id" : ObjectId("62d25050b8a3cb4341d2d30a"),
            "id" : 103,
            "name" : "vaishu",
```

```
        "dept" : "cs",

        "desig" : "developer",

        "sala" : 7000,

        "yoj" : 2001,

        "addr" : [

            {

                "dno" : 114,

                "street" : "pullu",

                "locality" : "varkala",

                "city" : "varkala"

            }

        ]

    }

    {

        "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),

        "id" : 104,

        "name" : "malu",

        "dept" : "cs",

        "desig" : "developer",

        "sala" : 6500,

        "yoj" : 2022,

        "addr" : [

            {

                "dno" : 115,

                "street" : "pullu",

                "locality" : "tvm",

                "city" : "tvm"

            }

        ]

    }
```

```
>db.employee.find({name:"anika"},{sala:1}).pretty()
{ "_id" : ObjectId("62d24f8fb8a3cb4341d2d308"), "sala" : 3000 }
> db.employee.find({},{addr:{city:1}}).pretty()
{
    "_id" : ObjectId("62d24f8fb8a3cb4341d2d308"),
    "addr" : [
        {
            "city" : "varkala"
        }
    ]
}
{
    "_id" : ObjectId("62d24fb0b8a3cb4341d2d309"),
    "addr" : [
        {
            "city" : "varkala"
        }
    ]
}
{
    "_id" : ObjectId("62d25050b8a3cb4341d2d30a"),
    "addr" : [
        {
            "city" : "varkala"
        }
    ]
}
{
```

```
        "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),

        "addr" : [

            {

                "city" : "tvm"

            }

        ]

}
```

>db.employee.updateMany({desig:"developer"},{$inc:{sala:5000}})

```
{ "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }

db.employee.find().pretty()

{

        "_id" : ObjectId("62d24f8fb8a3cb4341d2d308"),

        "id" : 101,

        "name" : "anika",

        "dept" : "sales",

        "desig" : "hod",

        "sala" : 3000,

        "yoj" : 2000,

        "addr" : [

            {

                "dno" : 123,

                "street" : "pullu",

                "locality" : "varkala",

                "city" : "varkala"

            }

        ]

}

{

        "_id" : ObjectId("62d24fb0b8a3cb4341d2d309"),

        "id" : 102,

        "name" : "ammu",
```

```
        "dept" : "clerk",

        "desig" : "hod",

        "sala" : 6000,

        "yoj" : 2001,

        "addr" : [

            {

                "dno" : 113,

                "street" : "pullu",

                "locality" : "varkala",

                "city" : "varkala"

            }

        ]

    }

    {

        "_id" : ObjectId("62d25050b8a3cb4341d2d30a"),

        "id" : 103,

        "name" : "vaishu",

        "dept" : "cs",

        "desig" : "developer",

        "sala" : 17000,

        "yoj" : 2001,

        "addr" : [

            {

                "dno" : 114,

                "street" : "pullu",

                "locality" : "varkala",

                "city" : "varkala"

            }

        ]

    }

    {
```

```
        "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),

        "id" : 104,

        "name" : "malu",

        "dept" : "cs",

        "desig" : "developer",

        "sala" : 16500,

        "yoj" : 2022,

        "addr" : [

            {

                "dno" : 115,

                "street" : "pullu",

                "locality" : "tvm",

                "city" : "tvm"

            }

        ]

}


> db.employee.updateMany({},{$set:{age:31}})

{ "acknowledged" : true, "matchedCount" : 4, "modifiedCount" : 3 }

> db.employee.find().pretty()

{

        "_id" : ObjectId("62d24f8fb8a3cb4341d2d308"),

        "id" : 101,

        "name" : "anika",

        "dept" : "sales",

        "desig" : "hod",

        "sala" : 3000,

        "yoj" : 2000,

        "addr" : [

            {

                "dno" : 123,
```

```
            "street" : "pullu",

            "locality" : "varkala",

            "city" : "varkala"

        }

    ],

    "age" : 31

}

{

    "_id" : ObjectId("62d24fb0b8a3cb4341d2d309"),

    "id" : 102,

    "name" : "ammu",

    "dept" : "clerk",

    "desig" : "hod",

    "sala" : 6000,

    "yoj" : 2001,

    "addr" : [

        {

            "dno" : 113,

            "street" : "pullu",

            "locality" : "varkala",

            "city" : "varkala"

        }

    ],

    "age" : 31

}

{

    "_id" : ObjectId("62d25050b8a3cb4341d2d30a"),

    "id" : 103,

    "name" : "vaishu",

    "dept" : "cs",

    "desig" : "developer",
```

```
        "sala" : 17000,

        "yoj" : 2001,

        "addr" : [

            {

                "dno" : 114,

                "street" : "pullu",

                "locality" : "varkala",

                "city" : "varkala"

            }

        ],

        "age" : 31

    }

    {

        "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),

        "id" : 104,

        "name" : "malu",

        "dept" : "cs",

        "desig" : "developer",

        "sala" : 16500,

        "yoj" : 2022,

        "addr" : [

            {

                "dno" : 115,

                "street" : "pullu",

                "locality" : "tvm",

                "city" : "tvm"

            }

        ],

        "age" : 31

    }
```

```
> db.employee.update({"name":"malu"},{$unset:{yoj:1}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.employee.find().pretty()

{
        "_id" : ObjectId("62d24f8fb8a3cb4341d2d308"),
        "id" : 101,
        "name" : "anika",
        "dept" : "sales",
        "desig" : "hod",
        "sala" : 3000,
        "yoj" : 2000,
        "addr" : [
                {
                        "dno" : 123,
                        "street" : "pullu",
                        "locality" : "varkala",
                        "city" : "varkala"
                }
        ],
        "age" : 31
}
{
        "_id" : ObjectId("62d24fb0b8a3cb4341d2d309"),
        "id" : 102,
        "name" : "ammu",
        "dept" : "clerk",
        "desig" : "hod",
        "sala" : 6000,
        "yoj" : 2001,
```

```json
        "addr" : [
            {
                "dno" : 113,
                "street" : "pullu",
                "locality" : "varkala",
                "city" : "varkala"
            }
        ],
        "age" : 31
    }
    {
        "_id" : ObjectId("62d25050b8a3cb4341d2d30a"),
        "id" : 103,
        "name" : "vaishu",
        "dept" : "cs",
        "desig" : "developer",
        "sala" : 17000,
        "yoj" : 2001,
        "addr" : [
            {
                "dno" : 114,
                "street" : "pullu",
                "locality" : "varkala",
                "city" : "varkala"
            }
        ],
        "age" : 31
    }
    {
        "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),
        "id" : 104,
```

```
        "name" : "malu",

        "dept" : "cs",

        "desig" : "developer",

        "sala" : 16500,

        "addr" : [

            {

                "dno" : 115,

                "street" : "pullu",

                "locality" : "tvm",

                "city" : "tvm"

            }

        ],

        "age" : 21

}
> db.employee.update({name:"malu"},{$push:{project:"p1"}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.employee.find().pretty()

{

        "_id" : ObjectId("62d24f8fb8a3cb4341d2d308"),

        "id" : 101,

        "name" : "anika",

        "dept" : "sales",

        "desig" : "hod",

        "sala" : 3000,

        "yoj" : 2000,

        "addr" : [

            {

                "dno" : 123,

                "street" : "pullu",

                "locality" : "varkala",

                "city" : "varkala"
```

```
                }
        ],
        "age" : 31
}
{
        "_id" : ObjectId("62d24fb0b8a3cb4341d2d309"),
        "id" : 102,
        "name" : "ammu",
        "dept" : "clerk",
        "desig" : "hod",
        "sala" : 6000,
        "yoj" : 2001,
        "addr" : [
                {
                        "dno" : 113,
                        "street" : "pullu",
                        "locality" : "varkala",
                        "city" : "varkala"
                }
        ],
        "age" : 31
}
{
        "_id" : ObjectId("62d25050b8a3cb4341d2d30a"),
        "id" : 103,
        "name" : "vaishu",
        "dept" : "cs",
        "desig" : "developer",
        "sala" : 17000,
        "yoj" : 2001,
        "addr" : [
```

```
            {
                "dno" : 114,
                "street" : "pullu",
                "locality" : "varkala",
                "city" : "varkala"
            }
        ],
        "age" : 31
    }
    {
        "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),
        "id" : 104,
        "name" : "malu",
        "dept" : "cs",
        "desig" : "developer",
        "sala" : 16500,
        "addr" : [
            {
                "dno" : 115,
                "street" : "pullu",
                "locality" : "tvm",
                "city" : "tvm"
            }
        ],
        "age" : 21,
        "project" : [
            "p1"
        ]
    }
    > db.employee.update({name:"malu"},{$push:{project:{$each:["p2","p3"]}}})
    WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

```
> db.employee.find({"name":"malu"}).pretty()
{
    "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),
    "id" : 104,
    "name" : "malu",
    "dept" : "cs",
    "desig" : "developer",
    "sala" : 16500,
    "addr" : [
        {
            "dno" : 115,
            "street" : "pullu",
            "locality" : "tvm",
            "city" : "tvm"
        }
    ],
    "age" : 21,
    "project" : [
        "p1",
        "p2",
        "p3"
    ]
}

>> db.employee.update({"name":"malu"},{$pull:{project:"p3"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.employee.find().pretty()
{
    "_id" : ObjectId("62d24f8fb8a3cb4341d2d308"),
    "id" : 101,
    "name" : "anika",
```

```
        "dept" : "sales",

        "desig" : "hod",

        "sala" : 3000,

        "yoj" : 2000,

        "addr" : [

            {

                "dno" : 123,

                "street" : "pullu",

                "locality" : "varkala",

                "city" : "varkala"

            }

        ],

        "age" : 31

}

{

        "_id" : ObjectId("62d24fb0b8a3cb4341d2d309"),

        "id" : 102,

        "name" : "ammu",

        "dept" : "clerk",

        "desig" : "hod",

        "sala" : 6000,

        "yoj" : 2001,

        "addr" : [

            {

                "dno" : 113,

                "street" : "pullu",

                "locality" : "varkala",

                "city" : "varkala"

            }

        ],

        "age" : 31
```

```
        }
        {
            "_id" : ObjectId("62d25050b8a3cb4341d2d30a"),
            "id" : 103,
            "name" : "vaishu",
            "dept" : "cs",
            "desig" : "developer",
            "sala" : 17000,
            "yoj" : 2001,
            "addr" : [
                {
                    "dno" : 114,
                    "street" : "pullu",
                    "locality" : "varkala",
                    "city" : "varkala"
                }
            ],
            "age" : 31
        }
        {
            "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),
            "id" : 104,
            "name" : "malu",
            "dept" : "cs",
            "desig" : "developer",
            "sala" : 16500,
            "addr" : [
                {
                    "dno" : 115,
                    "street" : "pullu",
                    "locality" : "tvm",
```

```
                    "city" : "tvm"

            }

    ],

    "age" : 21,

    "project" : [

            "p1",

            "p2"

    ]

}


>>
db.employee.updateOne({"name":"malu"},{$push:{contact:{phone:213313,email:"gfad@gmail"}}}
)

{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }

> db.employee.find({"name":"malu"}).pretty()

{

    "_id" : ObjectId("62d25081b8a3cb4341d2d30b"),

    "id" : 104,

    "name" : "malu",

    "dept" : "cs",

    "desig" : "developer",

    "sala" : 16500,

    "addr" : [

            {

                    "dno" : 115,

                    "street" : "pullu",

                    "locality" : "tvm",

                    "city" : "tvm"

            }

    ],

    "age" : 21,

    "project" : [
```

```
        "p1",

        "p2"

    ],

    "contact" : [

        {

            "phone" : 213313,

            "email" : "gfad@gmail"

        },

        {

            "phone" : 213313,

            "email" : "gfad@gmail"

        }

    ]

}
```

db.employee.updateOne({"name":"malu"},{$addToSet:{contact:{phone:[67483,868869]}}})

{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }