> use CompanyDB

< switched to db CompanyDB

> db["Products"].find()

[

{

\_id: ObjectId("6873504f1ce58b46e532300"),

product\_id: 101,

name: "Laptop",

category: "Electronics",

price: 55000,

stock: 10

},

{

\_id: ObjectId("68763547f1ce58b46e53239c"),

product\_id: 102,

name: "Mouse",

category: "Electronics",

price: 700,

stock: 50

},

{

\_id: ObjectId("6873709f1ce58b46e532396"),

product\_id: 103,

name: "Office Chair",

category: "Furniture",

price: 4500,

stock: 5

},

{

\_id: ObjectId("6876373hf1ce58b46e532300"),

product\_id: 104,

name: "Notebook",

category: "Stationery",

price: 50,

stock: 300

},

{

\_id: ObjectId("68763771fce58b46e5323a2"),

product\_id: 105,

name: "Water Bottle",

category: "Kitchen",

price: 250,

stock: 100

}

]

// 1) Products not in 'Stationery' or 'Kitchen'

> db.Products.find({ category: { $nin: ["Stationery", "Kitchen"] } })

[

{

\_id: ObjectId("6873504f1ce58b46e532300"),

product\_id: 101,

name: "Laptop",

category: "Electronics",

price: 55000,

stock: 10

},

{

\_id: ObjectId("6873709f1ce58b46e532396"),

product\_id: 103,

name: "Office Chair",

category: "Furniture",

price: 4500,

stock: 5

}

]

// 2) Price greater than 1000

> db.Products.find({ price: { $gt: 1000 } })

[

{

\_id: ObjectId("6873504f1ce58b46e532300"),

product\_id: 101,

name: "Laptop",

category: "Electronics",

price: 55000,

stock: 10

},

{

\_id: ObjectId("6873709f1ce58b46e532396"),

product\_id: 103,

name: "Office Chair",

category: "Furniture",

price: 4500,

stock: 5

}

]

// 3) Stock less than 50

> db.Products.find({ stock: { $lt: 50 } })

[

{

\_id: ObjectId("6873504f1ce58b46e532300"),

product\_id: 101,

name: "Laptop",

category: "Electronics",

price: 55000,

stock: 10

},

{

\_id: ObjectId("6873709f1ce58b46e532396"),

product\_id: 103,

name: "Office Chair",

category: "Furniture",

price: 4500,

stock: 5

}

]

// 4) Category is either 'Furniture' or 'Kitchen'

> db.Products.find({ category: { $in: ["Furniture", "Kitchen"] } })

[

{

\_id: ObjectId("6873709f1ce58b46e532396"),

product\_id: 103,

name: "Office Chair",

category: "Furniture",

price: 4500,

stock: 5

},

{

\_id: ObjectId("68763771fce58b46e5323a2"),

product\_id: 105,

name: "Water Bottle",

category: "Kitchen",

price: 250,

stock: 100

}

]

// 5) Stock between 10 and 100

> db.Products.find({ stock: { $gte: 10, $lte: 100 } })

[

{

\_id: ObjectId("6873504f1ce58b46e532300"),

product\_id: 101,

name: "Laptop",

category: "Electronics",

price: 55000,

stock: 10

},

{

\_id: ObjectId("68763547f1ce58b46e53239c"),

product\_id: 102,

name: "Mouse",

category: "Electronics",

price: 700,

stock: 50

},

{

\_id: ObjectId("68763771fce58b46e5323a2"),

product\_id: 105,

name: "Water Bottle",

category: "Kitchen",

price: 250,

stock: 100

}

]

// 6) Price is NOT 700

> db.Products.find({ price: { $ne: 700 } })

[

{

\_id: ObjectId("6873504f1ce58b46e532300"),

product\_id: 101,

name: "Laptop",

category: "Electronics",

price: 55000,

stock: 10

},

{

\_id: ObjectId("6873709f1ce58b46e532396"),

product\_id: 103,

name: "Office Chair",

category: "Furniture",

price: 4500,

stock: 5

},

{

\_id: ObjectId("6876373hf1ce58b46e532300"),

product\_id: 104,

name: "Notebook",

category: "Stationery",

price: 50,

stock: 300

},

{

\_id: ObjectId("68763771fce58b46e5323a2"),

product\_id: 105,

name: "Water Bottle",

category: "Kitchen",

price: 250,

stock: 100

}

]

// 7) Name starts with 'N'

> db.Products.find({ name: { $regex: /^N/ } })

[

{

\_id: ObjectId("6876373hf1ce58b46e532300"),

product\_id: 104,

name: "Notebook",

category: "Stationery",

price: 50,

stock: 300

}

]

// 8) Stock is NOT more than 5 (i.e. less than or equal to 5)

> db.Products.find({ stock: { $lte: 5 } })

[

{

\_id: ObjectId("6873709f1ce58b46e532396"),

product\_id: 103,

name: "Office Chair",

category: "Furniture",

price: 4500,

stock: 5

}

]

// 9) Category NOT IN ['Stationery', 'Kitchen']

> db.Products.find({ category: { $nin: ["Stationery", "Kitchen"] } })

[

{

\_id: ObjectId("6873504f1ce58b46e532300"),

product\_id: 101,

name: "Laptop",

category: "Electronics",

price: 55000,

stock: 10

},

{

\_id: ObjectId("68763547f1ce58b46e53239c"),

product\_id: 102,

name: "Mouse",

category: "Electronics",

price: 700,

stock: 50

},

{

\_id: ObjectId("6873709f1ce58b46e532396"),

product\_id: 103,

name: "Office Chair",

category: "Furniture",

price: 4500,

stock: 5

}

]