**Mongo DB assignment day 2**

1. Find all the information about each products

{ "\_id" : ObjectId("6208d8fa4835990e40536d51"), "id" : "1", "product\_name" : "Intelligent Fresh Chips", "product\_price" : 655, "product\_material" : "Concrete", "product\_color" : "mint green" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d52"), "id" : "2", "product\_name" : "Practical Fresh Sausages", "product\_price" : 911, "product\_material" : "Cotton", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d53"), "id" : "3", "product\_name" : "Refined Steel Car", "product\_price" : 690, "product\_material" : "Rubber", "product\_color" : "gold" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d54"), "id" : "4", "product\_name" : "Gorgeous Plastic Pants", "product\_price" : 492, "product\_material" : "Soft", "product\_color" : "plum" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d55"), "id" : "5", "product\_name" : "Sleek Cotton Chair", "product\_price" : 33, "product\_material" : "Fresh", "product\_color" : "black" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d56"), "id" : "6", "product\_name" : "Awesome Wooden Towels", "product\_price" : 474, "product\_material" : "Plastic", "product\_color" : "orange" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d57"), "id" : "7", "product\_name" : "Practical Soft Shoes", "product\_price" : 500, "product\_material" : "Rubber", "product\_color" : "pink" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d58"), "id" : "8", "product\_name" : "Incredible Steel Hat", "product\_price" : 78, "product\_material" : "Rubber", "product\_color" : "violet" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d59"), "id" : "9", "product\_name" : "Awesome Wooden Ball", "product\_price" : 28, "product\_material" : "Soft", "product\_color" : "azure" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5a"), "id" : "10", "product\_name" : "Generic Wooden Pizza", "product\_price" : 84, "product\_material" : "Frozen", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5b"), "id" : "11", "product\_name" : "Unbranded Wooden Cheese", "product\_price" : 26, "product\_material" : "Soft", "product\_color" : "black" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5c"), "id" : "12", "product\_name" : "Unbranded Plastic Salad", "product\_price" : 89, "product\_material" : "Wooden", "product\_color" : "pink" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5d"), "id" : "13", "product\_name" : "Gorgeous Cotton Keyboard", "product\_price" : 37, "product\_material" : "Concrete", "product\_color" : "sky blue" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5e"), "id" : "14", "product\_name" : "Incredible Steel Shirt", "product\_price" : 54, "product\_material" : "Metal", "product\_color" : "white" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5f"), "id" : "15", "product\_name" : "Ergonomic Cotton Hat", "product\_price" : 43, "product\_material" : "Rubber", "product\_color" : "mint green" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d60"), "id" : "16", "product\_name" : "Small Soft Chair", "product\_price" : 47, "product\_material" : "Cotton", "product\_color" : "teal" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d61"), "id" : "17", "product\_name" : "Incredible Metal Car", "product\_price" : 36, "product\_material" : "Fresh", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d62"), "id" : "18", "product\_name" : "Licensed Plastic Bacon", "product\_price" : 88, "product\_material" : "Steel", "product\_color" : "yellow" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d63"), "id" : "19", "product\_name" : "Intelligent Cotton Chips", "product\_price" : 46, "product\_material" : "Soft", "product\_color" : "azure" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d64"), "id" : "20", "product\_name" : "Handcrafted Wooden Bacon", "product\_price" : 36, "product\_material" : "Concrete", "product\_color" : "lime" }

1. Find the product price which are between 400 to 800

db.users.find({product\_price: {$gt: 400, $lt: 800}})

{ "\_id" : ObjectId("6208d8fa4835990e40536d51"), "id" : "1", "product\_name" : "Intelligent Fresh Chips", "product\_price" : 655, "product\_material" : "Concrete", "product\_color" : "mint green" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d53"), "id" : "3", "product\_name" : "Refined Steel Car", "product\_price" : 690, "product\_material" : "Rubber", "product\_color" : "gold" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d54"), "id" : "4", "product\_name" : "Gorgeous Plastic Pants", "product\_price" : 492, "product\_material" : "Soft", "product\_color" : "plum" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d56"), "id" : "6", "product\_name" : "Awesome Wooden Towels", "product\_price" : 474, "product\_material" : "Plastic", "product\_color" : "orange" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d57"), "id" : "7", "product\_name" : "Practical Soft Shoes", "product\_price" : 500, "product\_material" : "Rubber", "product\_color" : "pink" }

1. Find the product price which are not between 400 to 600

db.users.find({product\_price: {$nin: [400, 600]}})

{ "\_id" : ObjectId("6208d8fa4835990e40536d51"), "id" : "1", "product\_name" : "Intelligent Fresh Chips", "product\_price" : 655, "product\_material" : "Concrete", "product\_color" : "mint green" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d52"), "id" : "2", "product\_name" : "Practical Fresh Sausages", "product\_price" : 911, "product\_material" : "Cotton", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d53"), "id" : "3", "product\_name" : "Refined Steel Car", "product\_price" : 690, "product\_material" : "Rubber", "product\_color" : "gold" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d54"), "id" : "4", "product\_name" : "Gorgeous Plastic Pants", "product\_price" : 492, "product\_material" : "Soft", "product\_color" : "plum" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d55"), "id" : "5", "product\_name" : "Sleek Cotton Chair", "product\_price" : 33, "product\_material" : "Fresh", "product\_color" : "black" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d56"), "id" : "6", "product\_name" : "Awesome Wooden Towels", "product\_price" : 474, "product\_material" : "Plastic", "product\_color" : "orange" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d57"), "id" : "7", "product\_name" : "Practical Soft Shoes", "product\_price" : 500, "product\_material" : "Rubber", "product\_color" : "pink" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d58"), "id" : "8", "product\_name" : "Incredible Steel Hat", "product\_price" : 78, "product\_material" : "Rubber", "product\_color" : "violet" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d59"), "id" : "9", "product\_name" : "Awesome Wooden Ball", "product\_price" : 28, "product\_material" : "Soft", "product\_color" : "azure" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5a"), "id" : "10", "product\_name" : "Generic Wooden Pizza", "product\_price" : 84, "product\_material" : "Frozen", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5b"), "id" : "11", "product\_name" : "Unbranded Wooden Cheese", "product\_price" : 26, "product\_material" : "Soft", "product\_color" : "black" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5c"), "id" : "12", "product\_name" : "Unbranded Plastic Salad", "product\_price" : 89, "product\_material" : "Wooden", "product\_color" : "pink" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5d"), "id" : "13", "product\_name" : "Gorgeous Cotton Keyboard", "product\_price" : 37, "product\_material" : "Concrete", "product\_color" : "sky blue" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5e"), "id" : "14", "product\_name" : "Incredible Steel Shirt", "product\_price" : 54, "product\_material" : "Metal", "product\_color" : "white" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5f"), "id" : "15", "product\_name" : "Ergonomic Cotton Hat", "product\_price" : 43, "product\_material" : "Rubber", "product\_color" : "mint green" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d60"), "id" : "16", "product\_name" : "Small Soft Chair", "product\_price" : 47, "product\_material" : "Cotton", "product\_color" : "teal" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d61"), "id" : "17", "product\_name" : "Incredible Metal Car", "product\_price" : 36, "product\_material" : "Fresh", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d62"), "id" : "18", "product\_name" : "Licensed Plastic Bacon", "product\_price" : 88, "product\_material" : "Steel", "product\_color" : "yellow" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d63"), "id" : "19", "product\_name" : "Intelligent Cotton Chips", "product\_price" : 46, "product\_material" : "Soft", "product\_color" : "azure" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d64"), "id" : "20", "product\_name" : "Handcrafted Wooden Bacon", "product\_price" : 36, "product\_material" : "Concrete", "product\_color" : "lime" }

1. List the four product which are grater than 500 in price

db.users.find({product\_price: {$gt: 400}})

{ "\_id" : ObjectId("6208d8fa4835990e40536d51"), "id" : "1", "product\_name" : "Intelligent Fresh Chips", "product\_price" : 655, "product\_material" : "Concrete", "product\_color" : "mint green" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d52"), "id" : "2", "product\_name" : "Practical Fresh Sausages", "product\_price" : 911, "product\_material" : "Cotton", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d53"), "id" : "3", "product\_name" : "Refined Steel Car", "product\_price" : 690, "product\_material" : "Rubber", "product\_color" : "gold" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d54"), "id" : "4", "product\_name" : "Gorgeous Plastic Pants", "product\_price" : 492, "product\_material" : "Soft", "product\_color" : "plum" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d56"), "id" : "6", "product\_name" : "Awesome Wooden Towels", "product\_price" : 474, "product\_material" : "Plastic", "product\_color" : "orange" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d57"), "id" : "7", "product\_name" : "Practical Soft Shoes", "product\_price" : 500, "product\_material" : "Rubber", "product\_color" : "pink" }

1. Find the product name and product material of each products

db.users.find({},{"product\_name":1, "product\_material": 1})

{ "\_id" : ObjectId("6208d8fa4835990e40536d51"), "product\_name" : "Intelligent Fresh Chips", "product\_material" : "Concrete" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d52"), "product\_name" : "Practical Fresh Sausages", "product\_material" : "Cotton" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d53"), "product\_name" : "Refined Steel Car", "product\_material" : "Rubber" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d54"), "product\_name" : "Gorgeous Plastic Pants", "product\_material" : "Soft" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d55"), "product\_name" : "Sleek Cotton Chair", "product\_material" : "Fresh" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d56"), "product\_name" : "Awesome Wooden Towels", "product\_material" : "Plastic" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d57"), "product\_name" : "Practical Soft Shoes", "product\_material" : "Rubber" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d58"), "product\_name" : "Incredible Steel Hat", "product\_material" : "Rubber" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d59"), "product\_name" : "Awesome Wooden Ball", "product\_material" : "Soft" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5a"), "product\_name" : "Generic Wooden Pizza", "product\_material" : "Frozen" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5b"), "product\_name" : "Unbranded Wooden Cheese", "product\_material" : "Soft" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5c"), "product\_name" : "Unbranded Plastic Salad", "product\_material" : "Wooden" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5d"), "product\_name" : "Gorgeous Cotton Keyboard", "product\_material" : "Concrete" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5e"), "product\_name" : "Incredible Steel Shirt", "product\_material" : "Metal" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5f"), "product\_name" : "Ergonomic Cotton Hat", "product\_material" : "Rubber" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d60"), "product\_name" : "Small Soft Chair", "product\_material" : "Cotton" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d61"), "product\_name" : "Incredible Metal Car", "product\_material" : "Fresh" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d62"), "product\_name" : "Licensed Plastic Bacon", "product\_material" : "Steel" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d63"), "product\_name" : "Intelligent Cotton Chips", "product\_material" : "Soft" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d64"), "product\_name" : "Handcrafted Wooden Bacon", "product\_material" : "Concrete" }

1. Find the product with a row id of 10

db.users.find({"id":"10"})

{ "\_id" : ObjectId("6208d8fa4835990e40536d5a"), "id" : "10", "product\_name" : "Generic Wooden Pizza", "product\_price" : 84, "product\_material" : "Frozen", "product\_color" : "indigo" }

1. Find only the product name and product material

db.users.find({},{"product\_name":1, "product\_material": 1})

{ "\_id" : ObjectId("6208d8fa4835990e40536d51"), "product\_name" : "Intelligent Fresh Chips", "product\_material" : "Concrete" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d52"), "product\_name" : "Practical Fresh Sausages", "product\_material" : "Cotton" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d53"), "product\_name" : "Refined Steel Car", "product\_material" : "Rubber" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d54"), "product\_name" : "Gorgeous Plastic Pants", "product\_material" : "Soft" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d55"), "product\_name" : "Sleek Cotton Chair", "product\_material" : "Fresh" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d56"), "product\_name" : "Awesome Wooden Towels", "product\_material" : "Plastic" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d57"), "product\_name" : "Practical Soft Shoes", "product\_material" : "Rubber" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d58"), "product\_name" : "Incredible Steel Hat", "product\_material" : "Rubber" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d59"), "product\_name" : "Awesome Wooden Ball", "product\_material" : "Soft" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5a"), "product\_name" : "Generic Wooden Pizza", "product\_material" : "Frozen" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5b"), "product\_name" : "Unbranded Wooden Cheese", "product\_material" : "Soft" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5c"), "product\_name" : "Unbranded Plastic Salad", "product\_material" : "Wooden" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5d"), "product\_name" : "Gorgeous Cotton Keyboard", "product\_material" : "Concrete" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5e"), "product\_name" : "Incredible Steel Shirt", "product\_material" : "Metal" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5f"), "product\_name" : "Ergonomic Cotton Hat", "product\_material" : "Rubber" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d60"), "product\_name" : "Small Soft Chair", "product\_material" : "Cotton" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d61"), "product\_name" : "Incredible Metal Car", "product\_material" : "Fresh" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d62"), "product\_name" : "Licensed Plastic Bacon", "product\_material" : "Steel" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d63"), "product\_name" : "Intelligent Cotton Chips", "product\_material" : "Soft" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d64"), "product\_name" : "Handcrafted Wooden Bacon", "product\_material" : "Concrete" }

1. Find all products which contain the value of soft in product material

db.users.find({"product\_material":{$regex:"Soft"}})

{ "\_id" : ObjectId("6208d8fa4835990e40536d54"), "id" : "4", "product\_name" : "Gorgeous Plastic Pants", "product\_price" : 492, "product\_material" : "Soft", "product\_color" : "plum" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d59"), "id" : "9", "product\_name" : "Awesome Wooden Ball", "product\_price" : 28, "product\_material" : "Soft", "product\_color" : "azure" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5b"), "id" : "11", "product\_name" : "Unbranded Wooden Cheese", "product\_price" : 26, "product\_material" : "Soft", "product\_color" : "black" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d63"), "id" : "19", "product\_name" : "Intelligent Cotton Chips", "product\_price" : 46, "product\_material" : "Soft", "product\_color" : "azure" }

1. Find products which contain product color indigo and product price 492.00

db.users.find({"product\_color":"indigo", "product\_prize": 492 })

No results

1. Delete the products which product price value are same

db.users.createIndex({product\_price:1}, {unique: true, dropDups: true})

{ "\_id" : ObjectId("6208d8fa4835990e40536d51"), "id" : "1", "product\_name" : "Intelligent Fresh Chips", "product\_price" : 655, "product\_material" : "Concrete", "product\_color" : "mint green" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d52"), "id" : "2", "product\_name" : "Practical Fresh Sausages", "product\_price" : 911, "product\_material" : "Cotton", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d53"), "id" : "3", "product\_name" : "Refined Steel Car", "product\_price" : 690, "product\_material" : "Rubber", "product\_color" : "gold" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d54"), "id" : "4", "product\_name" : "Gorgeous Plastic Pants", "product\_price" : 492, "product\_material" : "Soft", "product\_color" : "plum" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d55"), "id" : "5", "product\_name" : "Sleek Cotton Chair", "product\_price" : 33, "product\_material" : "Fresh", "product\_color" : "black" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d56"), "id" : "6", "product\_name" : "Awesome Wooden Towels", "product\_price" : 474, "product\_material" : "Plastic", "product\_color" : "orange" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d57"), "id" : "7", "product\_name" : "Practical Soft Shoes", "product\_price" : 500, "product\_material" : "Rubber", "product\_color" : "pink" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d58"), "id" : "8", "product\_name" : "Incredible Steel Hat", "product\_price" : 78, "product\_material" : "Rubber", "product\_color" : "violet" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d59"), "id" : "9", "product\_name" : "Awesome Wooden Ball", "product\_price" : 28, "product\_material" : "Soft", "product\_color" : "azure" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5a"), "id" : "10", "product\_name" : "Generic Wooden Pizza", "product\_price" : 84, "product\_material" : "Frozen", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5b"), "id" : "11", "product\_name" : "Unbranded Wooden Cheese", "product\_price" : 26, "product\_material" : "Soft", "product\_color" : "black" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5c"), "id" : "12", "product\_name" : "Unbranded Plastic Salad", "product\_price" : 89, "product\_material" : "Wooden", "product\_color" : "pink" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5d"), "id" : "13", "product\_name" : "Gorgeous Cotton Keyboard", "product\_price" : 37, "product\_material" : "Concrete", "product\_color" : "sky blue" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5e"), "id" : "14", "product\_name" : "Incredible Steel Shirt", "product\_price" : 54, "product\_material" : "Metal", "product\_color" : "white" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d5f"), "id" : "15", "product\_name" : "Ergonomic Cotton Hat", "product\_price" : 43, "product\_material" : "Rubber", "product\_color" : "mint green" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d60"), "id" : "16", "product\_name" : "Small Soft Chair", "product\_price" : 47, "product\_material" : "Cotton", "product\_color" : "teal" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d61"), "id" : "17", "product\_name" : "Incredible Metal Car", "product\_price" : 36, "product\_material" : "Fresh", "product\_color" : "indigo" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d62"), "id" : "18", "product\_name" : "Licensed Plastic Bacon", "product\_price" : 88, "product\_material" : "Steel", "product\_color" : "yellow" }

{ "\_id" : ObjectId("6208d8fa4835990e40536d63"), "id" : "19", "product\_name" : "Intelligent Cotton Chips", "product\_price" : 46, "product\_material" : "Soft", "product\_color" : "azure" }