1. **find comments of users**

* var userObj= db.user.findOne({"userName":"abanoub"},{"add\_comments":1});

db.comment.find({"\_id":{"$in":userObj.add\_comments}});

* var userObj= db.user.findOne({"userName":"fady"},{"add\_comments":1});

db.comment.find({"\_id":{"$in":userObj.add\_comments}});

* var userObj= db.user.findOne({"userName":"mostafa"},{"add\_comments":1});

db.comment.find({"\_id":{"$in":userObj.add\_comments}});

* var userObj= db.user.findOne({"userName":"amany"},{"add\_comments":1});

db.comment.find({"\_id":{"$in":userObj.add\_comments}});

* var userObj= db.user.findOne({"userName":"malak"},{"add\_comments":1});

db.comment.find({"\_id":{"$in":userObj.add\_comments}});

1. **find orders of users**

* var userObj= db.user.findOne({"userName":"abanoub"},{"has\_orders":1});

db.order.find({"\_id":{"$in":userObj.has\_orders}});

* var userObj= db.user.findOne({"userName":"mahmoud"},{"has\_orders":1});

db.order.find({"\_id":{"$in":userObj.has\_orders}});

* var userObj= db.user.findOne({"userName":"mohamed"},{"has\_orders":1});

db.order.find({"\_id":{"$in":userObj.has\_orders}});

* var userObj= db.user.findOne({"userName":"magy"},{"has\_orders":1});

db.order.find({"\_id":{"$in":userObj.has\_orders}});

* var userObj= db.user.findOne({"userName":"ibraheem"},{"has\_orders":1});

db.order.find({"\_id":{"$in":userObj.has\_orders}})

**3-find payment of order\_details**

* var order\_data= db.order\_details.findOne({"\_id":1},{"payment":1});

db.payment.find({"\_id":order\_data.payment})

* var order\_data= db.order\_details.findOne({"\_id":2},{"payment":1});

db.payment.find({"\_id":order\_data.payment})

* var order\_data= db.order\_details.findOne({"\_id":3},{"payment":1});

db.payment.find({"\_id":order\_data.payment})

* var order\_data= db.order\_details.findOne({"\_id":4},{"payment":1});

db.payment.find({"\_id":order\_data.payment})

* var order\_data= db.order\_details.findOne({"\_id":5},{"payment":1});

db.payment.find({"\_id":order\_data.payment})

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**4-find products that admin added it**

* var adminObj= db.admin.findOne({"adminName":"ali95"},{"add\_products":1});

db.product.find({"\_id":{"$in":adminObj.add\_products}});

* var adminObj= db.admin.findOne({"adminName":"alaa94"},{"add\_products":1});

db.product.find({"\_id":{"$in":adminObj.add\_products}});

* var adminObj= db.admin.findOne({"adminName":"bahaa93"},{"add\_products":1});

db.product.find({"\_id":{"$in":adminObj.add\_products}});

* var adminObj= db.admin.findOne({"adminName":"esraa96"},{"add\_products":1});

db.product.find({"\_id":{"$in":adminObj.add\_products}});

**5-stock ‘s products**

* var stockObj= db.stock.findOne({"\_id":1},{"has\_products":1});

db.product.find({"\_id":{"$in":stockObj.has\_products}});

* var stockObj= db.stock.findOne({"\_id":2},{"has\_products":1});

db.product.find({"\_id":{"$in":stockObj.has\_products}});

* var stockObj= db.stock.findOne({"\_id":3},{"has\_products":1});

db.product.find({"\_id":{"$in":stockObj.has\_products}});

* var stockObj= db.stock.findOne({"\_id":4},{"has\_products":1});

db.product.find({"\_id":{"$in":stockObj.has\_products}});

* var stockObj= db.stock.findOne({"\_id":5},{"has\_products":1});

db.product.find({"\_id":{"$in":stockObj.has\_products}});

**6-products ‘s category**

* var categoryObj= db.category.findOne({"categoryName":"gloves"},{"belongTo\_products":1});

db.product.find({"\_id":{"$in":categoryObj.belongTo\_products}});

* var categoryObj= db.category.findOne({"categoryName":"hats"},{"belongTo\_products":1});

db.product.find({"\_id":{"$in":categoryObj.belongTo\_products}});

* var categoryObj= db.category.findOne({"categoryName":"pants"},{"belongTo\_products":1});

db.product.find({"\_id":{"$in":categoryObj.belongTo\_products}});

* var categoryObj= db.category.findOne({"categoryName":"shoes"},{"belongTo\_products":1});

db.product.find({"\_id":{"$in":categoryObj.belongTo\_products}});

* var categoryObj= db.category.findOne({"categoryName":"tops"},{"belongTo\_products":1});

db.product.find({"\_id":{"$in":categoryObj.belongTo\_products}});

**7-product ‘s supplier**

* var supplierObj= db.supplier.findOne({"fullName":"Alaa Naeeim"},{"products":1});

db.product.find({"\_id":{"$in":supplierObj.products}});

* var supplierObj= db.supplier.findOne({"fullName":"Yasser reda"},{"products":1});

db.product.find({"\_id":{"$in":supplierObj.products}});

* var supplierObj= db.supplier.findOne({"fullName":"Mark Alas"},{"products":1});

db.product.find({"\_id":{"$in":supplierObj.products}});

* var supplierObj= db.supplier.findOne({"fullName":"youssef nor"},{"products":1});

db.product.find({"\_id":{"$in":supplierObj.products}});

* var supplierObj= db.supplier.findOne({"fullName":"ramy Azeer"},{"products":1});

db.product.find({"\_id":{"$in":supplierObj.products}});

**8-shiper’s order\_detali**

* var supplierObj= db.shipper.findOne({"fullName":"Mark Lami"},{"orders":1});

db.order\_details.find({"\_id":{"$in":supplierObj.orders}});

* var supplierObj= db.shipper.findOne({"fullName":"Lami Ashrif"},{"orders":1});

db.order\_details.find({"\_id":{"$in":supplierObj.orders}});

* var supplierObj= db.shipper.findOne({"fullName":"Ashrif Ramy"},{"orders":1});

db.order\_details.find({"\_id":{"$in":supplierObj.orders}});

* var supplierObj= db.shipper.findOne({"fullName":" Ramy assad"},{"orders":1});

db.order\_details.find({"\_id":{"$in":supplierObj.orders}});

* var supplierObj= db.shipper.findOne({"fullName":" assad mohammed"},{"orders":1});

db.order\_details.find({"\_id":{"$in":supplierObj.orders}});

**9-order\_details’s products**

* var order\_data= db.order\_details.findOne({"\_id":1},{"products":1});

db.product.find({"\_id":{"$in":order\_data.products}});

* var order\_data= db.order\_details.findOne({"\_id":2},{"products":1});

db.product.find({"\_id":{"$in":order\_data.products}});

* var order\_data= db.order\_details.findOne({"\_id":3},{"products":1});

db.product.find({"\_id":{"$in":order\_data.products}});

* var order\_data= db.order\_details.findOne({"\_id":4},{"products":1});

db.product.find({"\_id":{"$in":order\_data.products}});

* var order\_data= db.order\_details.findOne({"\_id":5},{"products":1});

db.product.find({"\_id":{"$in":order\_data.products}});

**10-product update**

* db.product.update({'name':"lsebell's stage hat"},{$set:{'details':' beautiful hat New update'}})
* db.product.update({'name':"lsebell's stage hat"},{$set:{'color':'brown'}})
* db.product.update({'name':"lsebell's stage hat"},{$set:{'brand':'town team'}})

**11-user update**

* db.user.update({'userName':"abanoub"},{$set:{'bio':'23 years old New update'}})
* db.user.update({'userName':"abanoub"},{$set:{'adderss':'assiut New update'}})
* db.user.update({'userName':"abanoub"},{$set:{'BirthDate':'22/5/2002 New update'}})

**12-category update**

* db.category.update({\_id:1},{$set:{ "description" : "this is category called hat or cap New update"}})
* db.category.update({\_id:2},{$set:{ "description" : "this is category called shoes New update"}})

**13-remove user**

* db.user.insert({\_id:13,fullName:"mrihan mhamed",userName:"mrihan",website:"www.facebook.com/mrihan90",

bio:"23 years old",email:"mrihan.mohamed@gmail.com",phoneNumber:"01126312079",

gender:"female",password:"123",BirthDate:"12/12/1995",adderss:"minia"});

db.user.remove({userName:"mrihan"});

**14-remove product**

* db.product.insert({\_id:101,name:"product to be deleted",brand:"cazary",model:2015,color:"green",price:25,

details:"beautiful hat",weight:50,date:new Date()});

db.product.remove({name:"product to be deleted"});

**15-remove comment**

* db.comment.insert({\_id:200,stringComment:"good",date:new Date()});

db.comment.remove({\_id:200});

**16-save product**

* db.product.insert({\_id:200,name:"lsebell's stage hat",brand:"cazary",model:2015,color:"green",price:25,

details:"beautiful hat",weight:50,date:new Date(),product\_comments:[1,2]});

db.product.save({\_id:200,name:"new product",color:"yellow"})

**17-save comment**

* db.comment.insert({\_id:200,stringComment:"good",date:new Date()});

db.comment.save({\_id:200,stringComment:"bad"})

**18-index of user**

* db.user.ensureIndex({"userName":1},{unique:true})

* db.user.ensureIndex({"email":1},{unique:true})

**19-index of category**

* db.category.ensureIndex({"categoryName":1},{unique:true})

**20-index of admin**

* db.admin.ensureIndex({"adminName":1},{unique:true})