//To be accompanied by Text Document

//PART 1

//Within your inventory collection, run queries to accomplish the following:

db.inventory.find()

//Update the items of journal to have a height of 16.

db.inventory.updateOne({ item : 'journal' }, { $set : { height : 16 }})

//Update all items with a status of D to have quantity of 50.

db.inventory.updateMany({ status : 'D'}, { $set : { quantity : 50}})

//Update all item paper ot include a field rating that has the value of 4 stars and change its status to A.

db.inventory.updateOne({ item: 'paper'}, { $set : { rating : '4 stars', status: 'A'}})

//Update all items to change the h and w fields to be height and width.

db.inventory.updateMany({}, {$rename: {"size.h": "size.height", "size.w": "size.width"}})

//Update the item spiral notebook so that the height and width is incremented by 2.

db.inventory.updateOne({item: "spiral notebook"}, {$inc: {"size.height": 2, "size.width": 2}})

//Update the items paper and day planner to multiply the height by 3.

db.inventory.updateOne({item: "paper"}, {$mul: {"size.height": 3}})

db.inventory.updateOne({item: "day planner"}, {$mul: {"size.height": 3}})

//PART 2

db.inventory.insertMany([

  {

    item: 'sticky note pads',

    size: { height: 8.9, width: 9, uom: 'cm' },

    status: 'B',

    quantity: 5

  },

  {

    item: 'pens',

    size: { height: 12, width: 1.3, uom: 'cm' },

    status: 'A',

    quantity: 4

  },

  {

    item: 'pencils',

    size: { height: 13, width: 1.4, uom: 'cm' },

    status: 'D',

    quantity: 10

  },

  {

    item: 'clipboard',

    size: { height: 13, width: 7, uom: 'in' },

    status: 'B',

    quantity: 2

  },

  {

    item: 'printer ink',

    size: { height: 2, width: 3, uom: 'in' },

    status: 'C',

    quantity: 2

  }

]);

//Give each product a rating of 4 stars to start

//as well as af ield that shows if it has been

//rated yet using a boolean. They would like this

//to be reflected in the database as rating with

//two fields: numberOfStars, and hasBeenRated. Also,

//they want to double the quantity of every product

//since the company is rapidly growing. Lastly, they

//would like you to find all products that are sized

//using centimeters and give them a status of "B".

db.inventory.updateMany({}, {$set: {rating: {numberOfStars: 4, hasBeenRated: true}}}, {upsert: true})

db.inventory.updateMany({}, {$mul: {quantity: 2}})

db.inventory.updateMany({"size.uom": "cm"}, {$set: {status : "B"}}, {upsert: true})