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Abstract

Handling mongo dB with Nodejs backhand

Advance programming LAB 06

NODE JS

BSCS 7B

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| TASK01 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;    var url = "mongodb://localhost:27017/mydb";    MongoClient.connect(url, function(err, db){  if (err) throw err;  console.log("Database Created");  db.close();  });      Task Output Screenshot: |

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| TASK02 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;    var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db("mydb");  dbo.createCollection("customer", function(err, res){  if(err) throw err;  console.log("Collection created!");  db.close();  });  });    Task Output Screenshot: |

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| TASK03 |
| Task Code:  var MongoClient = require("mongodb").MongoClient;    var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if(err) throw err;  var dbo = db.db('mydb');  var myobj = { name: "Company Inc", address: "Highway 37" };  dbo.collection("customer").insertOne(myobj, function(err, res){  if(err) throw err;  console.log("1 document isnerted");  db.close();  });  });    Task Output Screenshot: |

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| TASK 04 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017/";    MongoClient.connect(url, function(err, db){  if(err) throw err;  var dbo = db.db("mydb");  var myobj = [  { name: 'John', address: 'Highway 71'},  { name: 'Peter', address: 'Lowstreet 4'},  { name: 'Amy', address: 'Apple st 652'},  { name: 'Hannah', address: 'Mountain 21'},  { name: 'Michael', address: 'Valley 345'},  { name: 'Sandy', address: 'Ocean blvd 2'},  { name: 'Betty', address: 'Green Grass 1'},  { name: 'Richard', address: 'Sky st 331'},  { name: 'Susan', address: 'One way 98'},  { name: 'Vicky', address: 'Yellow Garden 2'},  { name: 'Ben', address: 'Park Lane 38'},  { name: 'William', address: 'Central st 954'},  { name: 'Chuck', address: 'Main Road 989'},  { name: 'Viola', address: 'Sideway 1633'}  ];  dbo.collection('customer').insertMany(myobj, function(err, res){  if(err) throw err;  console.log("Number of documents inserted: " + res.insertedCount);  db.close();  });    });    Task Output Screenshot: |

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| TASK 05 |
| Task Code:  var MongoClient = require("mongodb").MongoClient;  var url = "mongodb://localhost:27017/";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');    dbo.createCollection("product", function(err, res){  if(err) throw err;  console.log("Collection created!");  db.close();  });    var myobj = [  { \_id: 154, name: 'Chocolate Heaven'},  { \_id: 155, name: 'Tasty Lemon'},  { \_id: 156, name: 'Vanilla Dream'}  ];    dbo.collection('product').insertMany(myobj, function(err, res){  if(err) throw err;  console.log('Number of documents inserted: ' + res.insertedCount);  db.close();  });  });    Task Output Screenshot: |

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| TASK 06 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017/"    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  dbo.collection('customer').findOne({}, function(err, result){  if(err) throw err;  console.log(result.name);  db.close();  });  });    Task Output Screenshot: |

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| TASK 07 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  dbo.collection('customer').find({}, {projection: {\_id:0, name:1, address:1}}).toArray(function(err, result){  if (err) throw err;  console.log(result);  db.close();  });  });    Task Output Screenshot: |

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| TASK 08 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  var query = {address: "Park Lane 38"};  dbo.collection('customer').find(query).toArray(function(err, result){  if(err) throw err;  console.log(result);  db.close();  });  });    Task Output Screenshot: |

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| TASK 09 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  var mysort = {name: 1};  dbo.collection('customer').find().sort(mysort).toArray(function(err, result){  if (err) throw err;  console.log(result);  db.close();  });  });    Task Output Screenshot: |

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| TASK 10 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  var query = {address: 'Mountain 21'};  dbo.collection('customer').deleteOne(query, function(err, obj){  if(err) throw err;  console.log("1 document deleted");  db.close();  });  });    Task Output Screenshot: |

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| TASK 11 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  var query = { address: /^O/ };  dbo.collection('customer').deleteMany(query, function(err, obj){  if (err) throw err;  console.log(obj.result.n + " document(s) deleted");  db.close();  });  });    Task Output Screenshot: |

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| TASK 12 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  dbo.collection('customer').drop(function(err, delOk){  if(err) throw err;  if(delOk) console.log("collection deleted");  db.close();  });  });    Task Output Screenshot: |

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| TASK 13 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  var query = {address: "Velley 345"};  var new\_q = {$set: {name: "Mickry", address:"Canyon 123"}};  dbo.collection('customer').updateOne(query, new\_q, function(err, res){  if(err) throw err;  console.log("1 document updated");  db.close();  });  });    Task Output Screenshot: |

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| TASK 14 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  dbo.collection('customer').find().limit(5).toArray(function(err, result){  if(err) throw err;  console.log(result);  db.close();  });  });    Task Output Screenshot: |

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| TASK 15 |
| Task Code:  var MongoClient = require('mongodb').MongoClient;  var url = "mongodb://localhost:27017";    MongoClient.connect(url, function(err, db){  if (err) throw err;  var dbo = db.db('mydb');  dbo.collection('customer').aggregate([  {  $lookup:  {  from: 'product',  localField: 'product\_id',  foreignField: '\_id',  as: 'orderdetails'  }    }  ]).toArray(function(err, res){  if (err) throw err;  console.log(res);  db.close();  });  });    Task Output Screenshot: |