**1.To create a collections for customer\_details and set multiple address fields using array, minimum 3 address.**

MongoDB> use product

switched to db product

product> show collections

customer\_details

product\_details

product> db.customer\_details.find().pretty()

[

{

\_id: ObjectId("644371694248ed68e5794f15"),

name: 'Arvind',

address: [ 'coimbatore', 'chennai', 'madurai' ]

},

{

\_id: ObjectId("644371b54248ed68e5794f16"),

name: 'Karthik',

address: [ 'london', 'canada', 'africa' ]

},

{

\_id: ObjectId("6443723a4248ed68e5794f17"),

name: 'Kumar',

address: [ 'Annur', 'sathy', 'coimbatore' ]

},

{

\_id: ObjectId("6443727c4248ed68e5794f18"),

name: 'Bharathi',

address: [ 'madurai', 'annur', 'chennai' ]

},

{

\_id: ObjectId("644372a94248ed68e5794f19"),

name: 'raja',

address: [ 'madurai', 'Ooty', 'london' ]

}

]

product>

**2. To insert two new address to the person "Arvind" and "Karthik" in the address field using push method.**

product> db.customer\_details.update({name:'Arvind'},{$push:{address:"kerala"}})

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

product> db.customer\_details.updateOne({name:'Arvind'},{$push:{address:"canda"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

product> db.customer\_details.updateOne({name:'Karthik'},{$push:{address:"Ooty"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

product> db.customer\_details.updateOne({name:'Karthik'},{$push:{address:"sulur"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

product> db.customer\_details.find().pretty()

[

{

\_id: ObjectId("644371694248ed68e5794f15"),

name: 'Arvind',

address: [ 'coimbatore', 'chennai', 'madurai', 'kerala', 'canda' ]

},

{

\_id: ObjectId("644371b54248ed68e5794f16"),

name: 'Karthik',

address: [ 'london', 'canada', 'africa', 'Ooty', 'sulur' ]

},

{

\_id: ObjectId("6443723a4248ed68e5794f17"),

name: 'Kumar',

address: [ 'Annur', 'sathy', 'coimbatore' ]

},

{

\_id: ObjectId("6443727c4248ed68e5794f18"),

name: 'Bharathi',

address: [ 'madurai', 'annur', 'chennai' ]

},

{

\_id: ObjectId("644372a94248ed68e5794f19"),

name: 'raja',

address: [ 'madurai', 'Ooty', 'london' ]

}

]

product>

**3. To remove first address from Arvind document using pop method.**

product> db.customer\_details.updateOne({name:'Arvind'},{$pop:{address:-1}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

product> db.customer\_details.find().pretty()

[

{

\_id: ObjectId("644371694248ed68e5794f15"),

name: 'Arvind',

address: [ 'chennai', 'madurai', 'kerala' ,'canda' ]

},

{

\_id: ObjectId("644371b54248ed68e5794f16"),

name: 'Karthik',

address: [ 'london', 'canada', 'africa', 'Ooty', 'sulur' ]

},

{

\_id: ObjectId("6443723a4248ed68e5794f17"),

name: 'Kumar',

address: [ 'Annur', 'sathy', 'coimbatore' ]

},

{

\_id: ObjectId("6443727c4248ed68e5794f18"),

name: 'Bharathi',

address: [ 'madurai', 'annur', 'chennai' ]

},

{

\_id: ObjectId("644372a94248ed68e5794f19"),

name: 'raja',

address: [ 'madurai', 'Ooty', 'london' ]

}

]

product>

**4. To remove last address from karthik document using pop method.**

product> db.customer\_details.updateOne({name:'Karthik'},{$pop:{address:1}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

product> db.customer\_details.find().pretty()

[

{

\_id: ObjectId("644371694248ed68e5794f15"),

name: 'Arvind',

address: [ 'chennai', 'madurai', 'kerala' ]

},

{

\_id: ObjectId("644371b54248ed68e5794f16"),

name: 'Karthik',

address: [ 'london', 'canada', 'africa', 'Ooty' ]

},

{

\_id: ObjectId("6443723a4248ed68e5794f17"),

name: 'Kumar',

address: [ 'Annur', 'sathy', 'coimbatore' ]

},

{

\_id: ObjectId("6443727c4248ed68e5794f18"),

name: 'Bharathi',

address: [ 'madurai', 'annur', 'chennai' ]

},

{

\_id: ObjectId("644372a94248ed68e5794f19"),

name: 'raja',

address: [ 'madurai', 'Ooty', 'london' ]

}

]

product>

**5. To remove middle address from karthik document using pull method.**

product> db.customer\_details.updateOne({name:'Karthik'},{$pull:{address:"africa"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

product> db.customer\_details.find().pretty()

[

{

\_id: ObjectId("644371694248ed68e5794f15"),

name: 'Arvind',

address: [ 'chennai', 'madurai', 'kerala' ]

},

{

\_id: ObjectId("644371b54248ed68e5794f16"),

name: 'Karthik',

address: [ 'london', 'canada', 'Ooty', 'sulur' ]

},

{

\_id: ObjectId("6443723a4248ed68e5794f17"),

name: 'Kumar',

address: [ 'Annur', 'sathy', 'coimbatore' ]

},

{

\_id: ObjectId("6443727c4248ed68e5794f18"),

name: 'Bharathi',

address: [ 'madurai', 'annur', 'chennai' ]

},

{

\_id: ObjectId("644372a94248ed68e5794f19"),

name: 'raja',

address: [ 'madurai', 'Ooty', 'london' ]

}

]

product>

**6. To insert new field as discount:"Aadi sales" to all the customer.**

product> db.customer\_details.updateMany({},{$set:{discount:"Aadi sales"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 6,

modifiedCount: 5,

upsertedCount: 0

}

product> db.customer\_details.find().pretty()

[

{

\_id: ObjectId("644371694248ed68e5794f15"),

name: 'Arvind',

address: [ 'chennai', 'madurai', 'kerala' ],

discount: 'Aadi sales'

},

{

\_id: ObjectId("644371b54248ed68e5794f16"),

name: 'Karthik',

address: [ 'london', 'canada', 'Ooty', 'sulur' ],

discount: 'Aadi sales'

},

{

\_id: ObjectId("6443723a4248ed68e5794f17"),

name: 'Kumar',

address: [ 'Annur', 'sathy', 'coimbatore' ],

discount: 'Aadi sales'

},

{

\_id: ObjectId("6443727c4248ed68e5794f18"),

name: 'Bharathi',

address: [ 'madurai', 'annur', 'chennai' ],

discount: 'Aadi sales'

},

{

\_id: ObjectId("644372a94248ed68e5794f19"),

name: 'raja',

address: [ 'madurai', 'Ooty', 'london' ],

discount: 'Aadi sales'

},

]

product>

**7. To delete a specify document from the collection.**

product> db.customer\_details.deleteOne({customer:"105"})

{ acknowledged: true, deletedCount: 1 }

product> db.customer\_details.find().pretty()

[

{

\_id: ObjectId("644371694248ed68e5794f15"),

name: 'Arvind',

address: [ 'chennai', 'madurai', 'kerala' ],

discount: 'Aadi sales',

customer: '101'

},

{

\_id: ObjectId("644371b54248ed68e5794f16"),

name: 'Karthik',

address: [ 'london', 'canada', 'Ooty', 'sulur' ],

discount: 'Aadi sales',

customer: '102'

},

{

\_id: ObjectId("6443723a4248ed68e5794f17"),

name: 'Kumar',

address: [ 'Annur', 'sathy', 'coimbatore' ],

discount: 'Aadi sales',

customer: '103'

},

{

\_id: ObjectId("6443727c4248ed68e5794f18"),

name: 'Bharathi',

address: [ 'madurai', 'annur', 'chennai' ],

discount: 'Aadi sales',

customer: '104'

}

]

product>

**8. To delete a repeated document from the collection.**

product> db.customer\_details.deleteMany({customer:"102"})

{ acknowledged: true, deletedCount: 1 }

product> db.customer\_details.find().pretty()

[

{

\_id: ObjectId("644371694248ed68e5794f15"),

name: 'Arvind',

address: [ 'chennai', 'madurai', 'kerala' ],

discount: 'Aadi sales',

customer: '101'

},

{

\_id: ObjectId("6443723a4248ed68e5794f17"),

name: 'Kumar',

address: [ 'Annur', 'sathy', 'coimbatore' ],

discount: 'Aadi sales',

customer: '103'

},

{

\_id: ObjectId("6443727c4248ed68e5794f18"),

name: 'Bharathi',

address: [ 'madurai', 'annur', 'chennai' ],

discount: 'Aadi sales',

customer: '104'

}

]

product>

**9. To drop the collection**

product> db.customer\_details.drop()

true

product> show collections

product\_details

product>

**10. To drop the database.**

product> db.dropDatabase()

{ ok: 1, dropped: 'product' }