Skill 9

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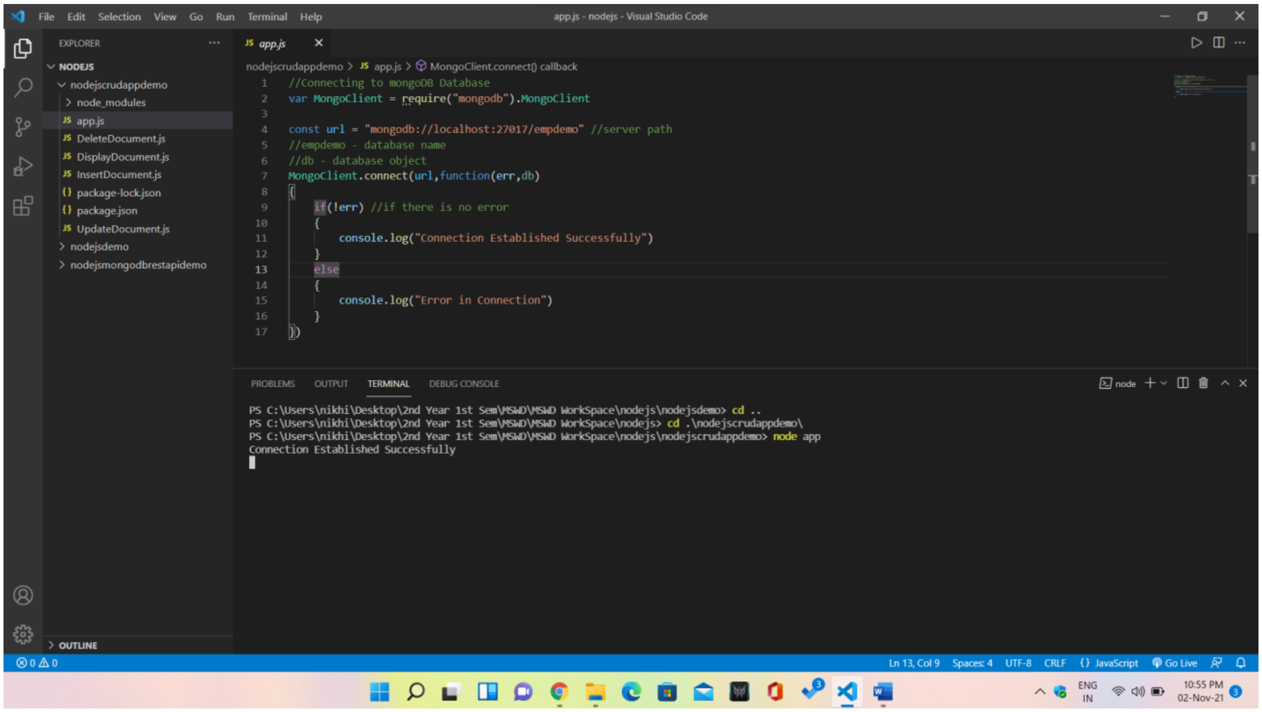
Section No: S09

App.js:



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app.js - nodejs - Visual Studio Code
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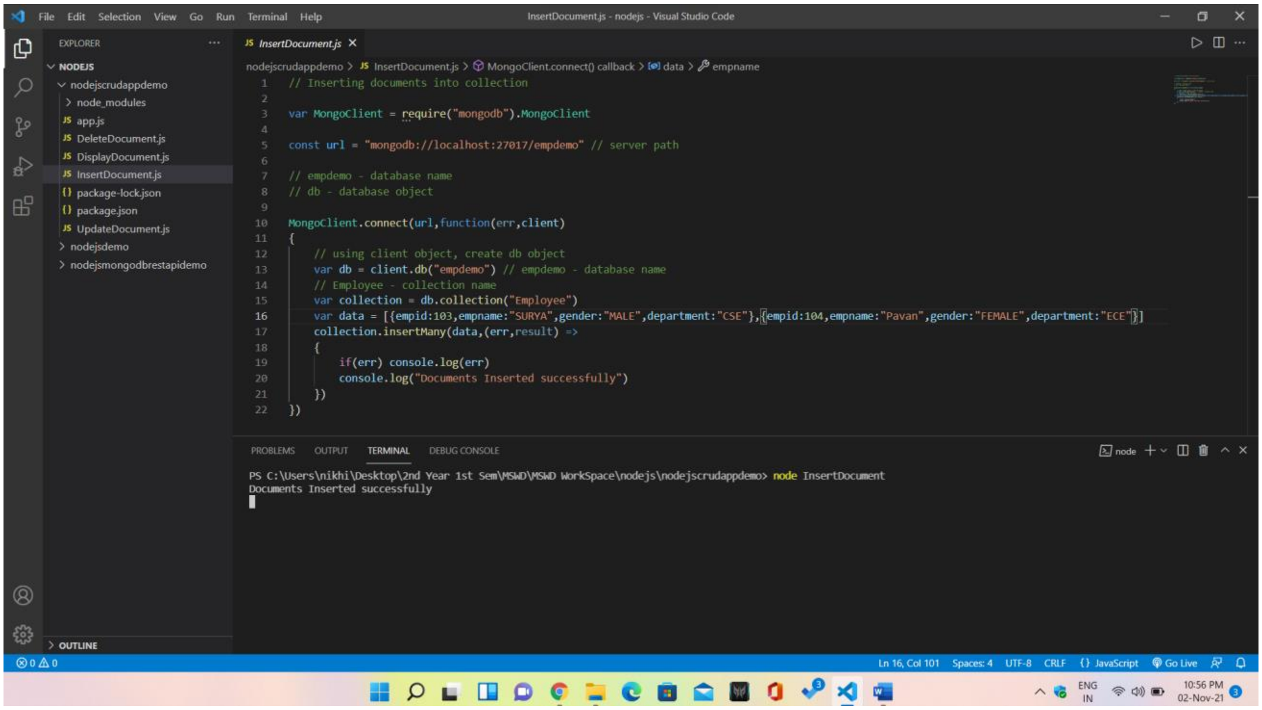
Ln 13, Col 9 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
10:55 PM
02-Nov-21

```javascript
//Connecting to mongoDB Database
var MongoClient = require("mongodb").MongoClient

const url = "mongodb://localhost:27017/empdemo" //server path
//empdemo - database name
//db - database object
MongoClient.connect(url,function(err,db)
{
    if(!err) //if there is no error
    {
        console.log("Connection Established Successfully")
    }
    else
    {
        console.log("Error in Connection")
    }
})
```

```
PS C:\Users\nikhi\Desktop\2nd Year 1st Sem\MSWD\MSWD WorkSpace\nodejs\nodejsdemo> cd ..
PS C:\Users\nikhi\Desktop\2nd Year 1st Sem\MSWD\MSWD WorkSpace\nodejs> cd .\nodejscrudappdemo\
PS C:\Users\nikhi\Desktop\2nd Year 1st Sem\MSWD\MSWD WorkSpace\nodejs\nodejscrudappdemo> node app
Connection Established Successfully
```

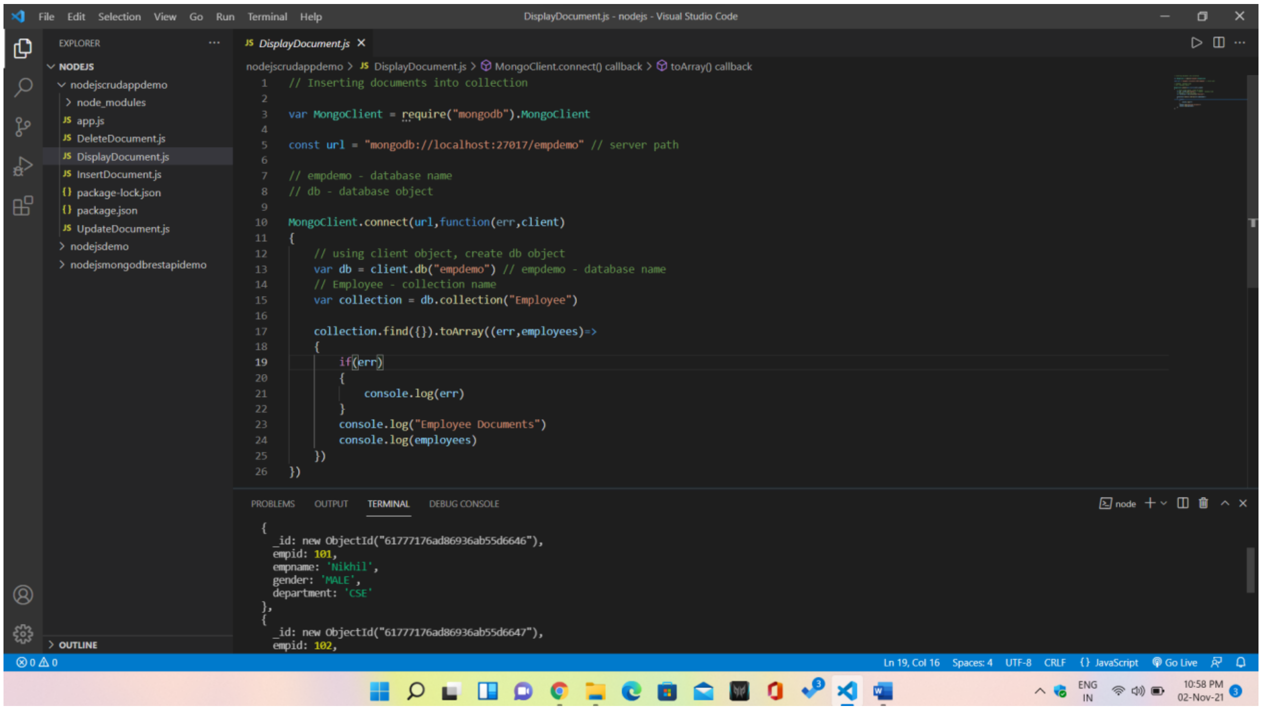
InsertDocument.js:



```javascript
// Inserting documents into collection

var MongoClient = require("mongodb").MongoClient

const url = "mongodb://localhost:27017/empdemo" // server path

// empdemo - database name
// db - database object

MongoClient.connect(url,function(err,client)
{
    // using client object, create db object
    var db = client.db("empdemo") // empdemo - database name
    // Employee - collection name
    var collection = db.collection("Employee")
    var data = [{empid:103,empname:"SURYA",gender:"MALE",department:"CSE"},{empid:104,empname:"Pavan",gender:"FEMALE",department:"ECE"}]
    collection.insertMany(data,(err,result) =>
    {
        if(err) console.log(err)
        console.log("Documents Inserted successfully")
    })
})
```

```
PS C:\Users\nikhi\Desktop\2nd Year 1st Sem\MSWD\MSWD WorkSpace\nodejs\nodejscrudappdemo> node InsertDocument
Documents Inserted successfully
```

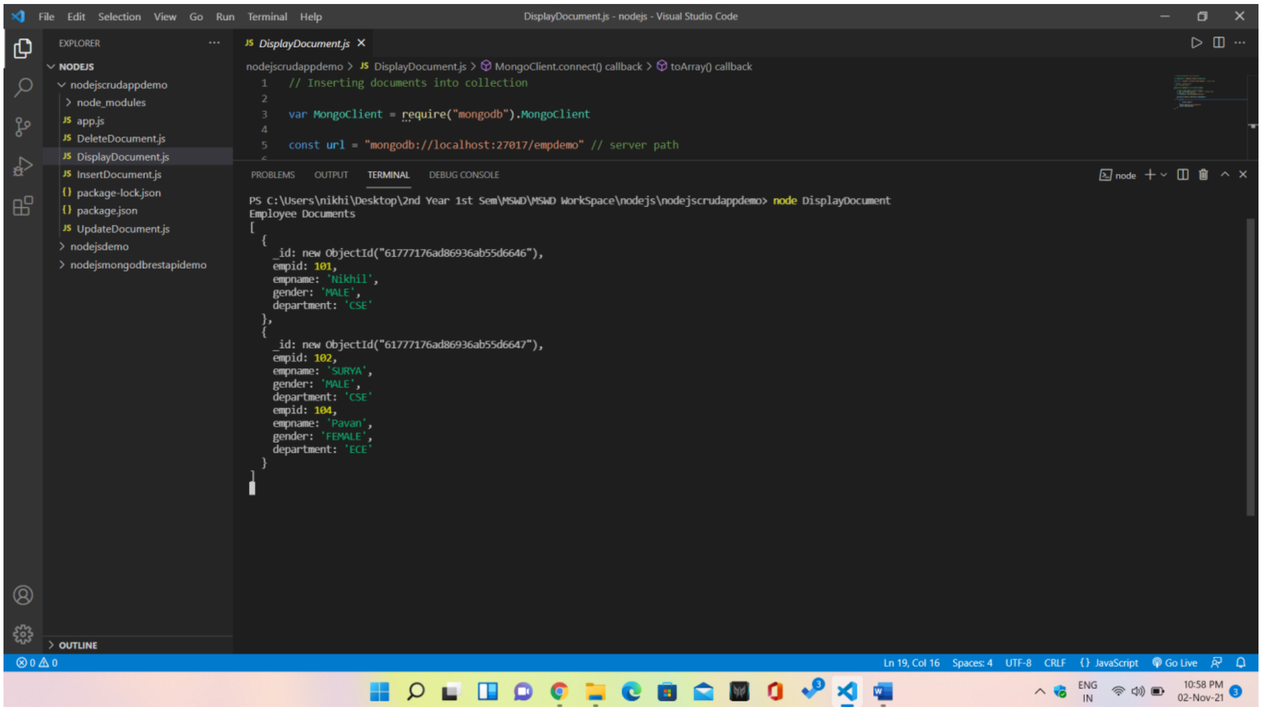
DisplayDocument.js:



```javascript
// Inserting documents into collection

var MongoClient = require("mongodb").MongoClient

const url = "mongodb://localhost:27017/empdemo" // server path

// empdemo - database name
// db - database object

MongoClient.connect(url,function(err,client)
{
    // using client object, create db object
    var db = client.db("empdemo") // empdemo - database name
    // Employee - collection name
    var collection = db.collection("Employee")

    collection.find({}).toArray((err,employees)=>
    {
        if(err)
        {
            console.log(err)
        }
        console.log("Employee Documents")
        console.log(employees)
    })
})
```

```
  {
    _id: new ObjectId("61777176ad86936ab55d6646"),
    empid: 101,
    empname: 'Nikhil',
    gender: 'MALE',
    department: 'CSE'
  },
  {
    _id: new ObjectId("61777176ad86936ab55d6647"),
    empid: 102,
```

Output: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DisplayDocument.js - nodejs - Visual Studio Code
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DisplayDocument.js
nodejscrudappdemo > DisplayDocument.js > MongoClient.connect() callback > toArray() callback
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
node
Ln 19, Col 16 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
ENG IN
10:58 PM
02-Nov-21

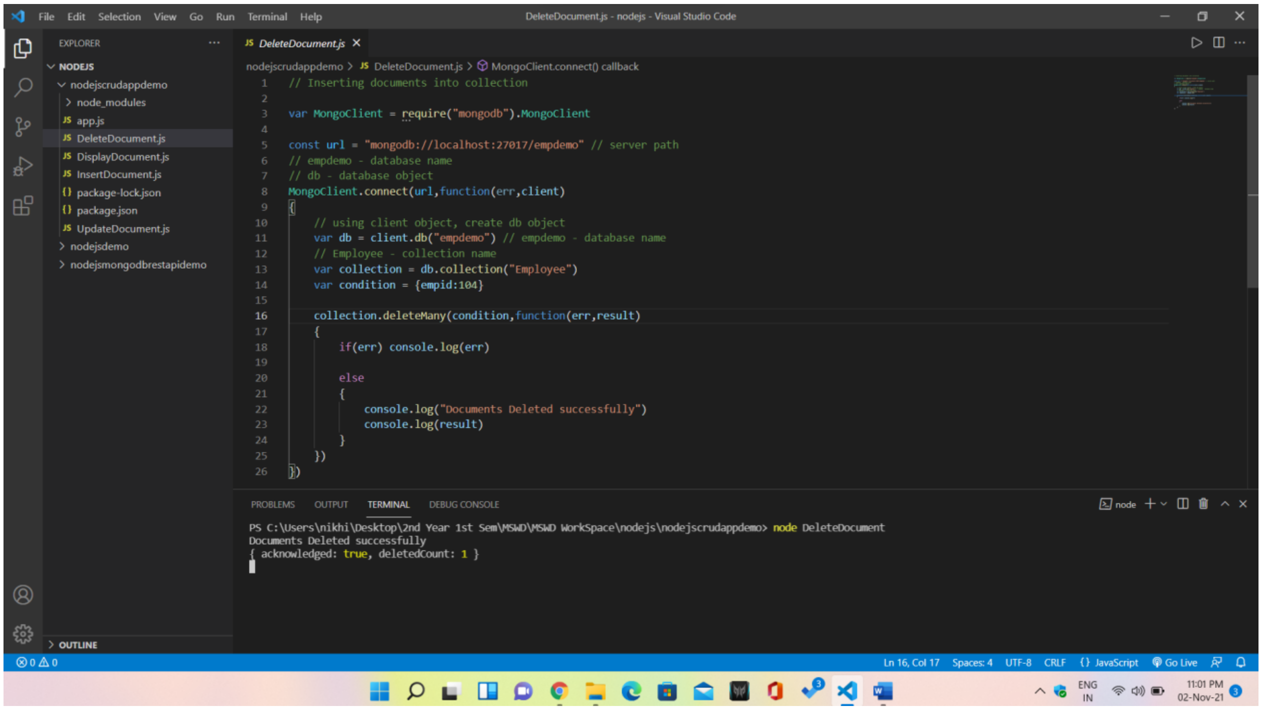
```javascript
// Inserting documents into collection

var MongoClient = require("mongodb").MongoClient

const url = "mongodb://localhost:27017/empdemo" // server path
```

```
PS C:\Users\nikhi\Desktop\2nd Year 1st Sem\MSWD\MSWD WorkSpace\nodejs\nodejscrudappdemo> node DisplayDocument
Employee Documents
[
  {
    _id: new ObjectId("61777176ad86936ab55d6646"),
    empid: 101,
    empname: 'Nikhil',
    gender: 'MALE',
    department: 'CSE'
  },
  {
    _id: new ObjectId("61777176ad86936ab55d6647"),
    empid: 102,
    empname: 'SURYA',
    gender: 'MALE',
    department: 'CSE'
    empid: 104,
    empname: 'Pavan',
    gender: 'FEMALE',
    department: 'ECE'
  }
]
```

DeleteDocument.js: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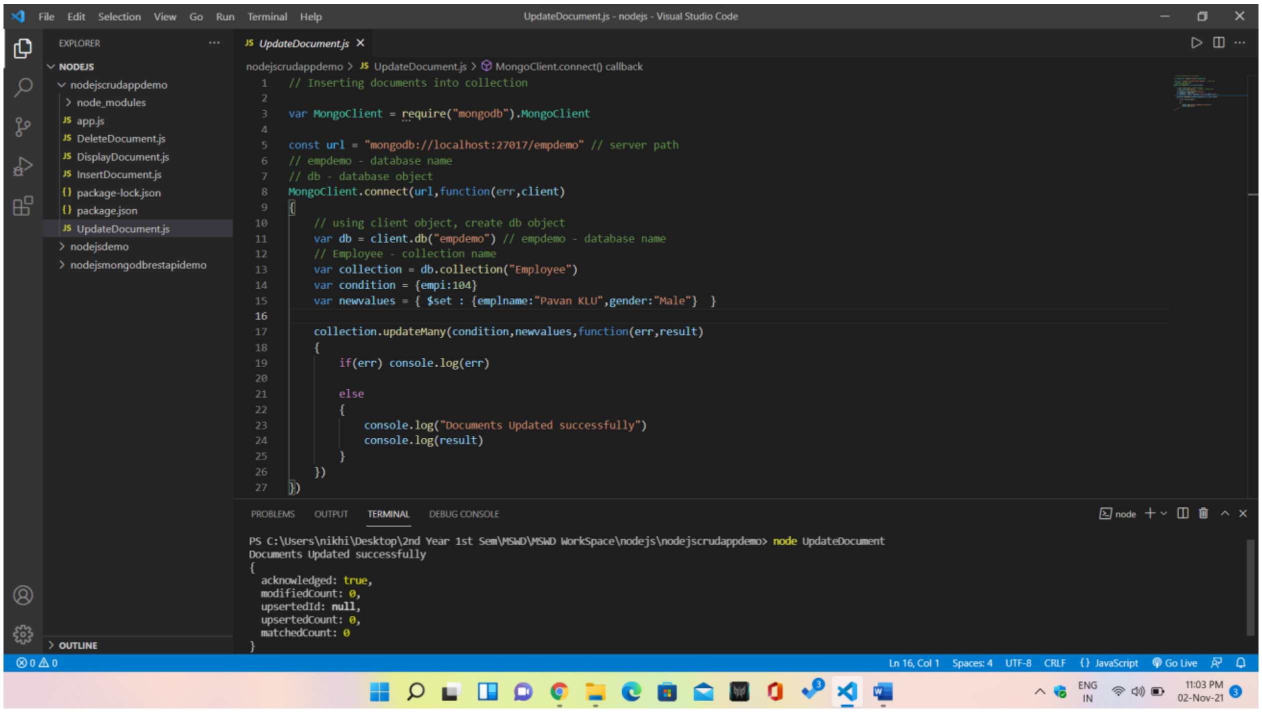
DeleteDocument.js
nodejscrudappdemo > DeleteDocument.js > MongoClient.connect() callback
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
node
Ln 16, Col 17 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
ENG IN
11:01 PM
02-Nov-21

```javascript
// Inserting documents into collection

var MongoClient = require("mongodb").MongoClient

const url = "mongodb://localhost:27017/empdemo" // server path
// empdemo - database name
// db - database object
MongoClient.connect(url,function(err,client)
{
    // using client object, create db object
    var db = client.db("empdemo") // empdemo - database name
    // Employee - collection name
    var collection = db.collection("Employee")
    var condition = {empid:104}

    collection.deleteMany(condition,function(err,result)
    {
        if(err) console.log(err)

        else
        {
            console.log("Documents Deleted successfully")
            console.log(result)
        }
    })
})
```

```
PS C:\Users\nikhi\Desktop\2nd Year 1st Sem\MSWD\MSWD WorkSpace\nodejs\nodejscrudappdemo> node DeleteDocument
Documents Deleted successfully
{ acknowledged: true, deletedCount: 1 }
```

UpdateDocument.js:



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UpdateDocument.js - nodejs - Visual Studio Code
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UpdateDocument.js
nodejscrudappdemo > UpdateDocument.js > MongoClient.connect() callback
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
node
Ln 16, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live
ENG IN
11:03 PM 02-Nov-21

```javascript
// Inserting documents into collection

var MongoClient = require("mongodb").MongoClient

const url = "mongodb://localhost:27017/empdemo" // server path
// empdemo - database name
// db - database object
MongoClient.connect(url,function(err,client)
{
    // using client object, create db object
    var db = client.db("empdemo") // empdemo - database name
    // Employee - collection name
    var collection = db.collection("Employee")
    var condition = {empi:104}
    var newvalues = { $set : {emplname:"Pavan KLU",gender:"Male"}  }

    collection.updateMany(condition,newvalues,function(err,result)
    {
        if(err) console.log(err)

        else
        {
            console.log("Documents Updated successfully")
            console.log(result)
        }
    })
})
```

```
PS C:\Users\nikhi\Desktop\2nd Year 1st Sem\MSWD\MSWD WorkSpace\nodejs\nodejscrudappdemo> node UpdateDocument
Documents Updated successfully
{
  acknowledged: true,
  modifiedCount: 0,
  upsertedId: null,
  upsertedCount: 0,
  matchedCount: 0
}
```