

Title: Importing files using MongoDB Command Line Database Tools

Aim: Importing CSV and JSON files using MongoDB Command Line Database Tools

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NoSQL Lab4

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Importing a CSV file through the cmd under the bin directory of MongoDB Command Line Database Tools.

```
Select C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.2486]
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C:\Program Files\MongoDB\Tools\100\bin>mongoimport --db employee --collection Bank --type=csv --headerline --file"D:\Z\Downloads\bank-additional-full.csv";
2023-02-22T09:47:09.701+0530    Failed: open D:\Z\Downloads\bank-additional-full.csv: The system cannot find the file specified.
2023-02-22T09:47:09.703+0530    0 document(s) imported successfully. 0 document(s) failed to import.

C:\Program Files\MongoDB\Tools\100\bin>mongoimport --db employee --collection Bank --type=csv --headerline --file"D:\Z\Downloads\car_evaluation.csv";
2023-02-22T09:47:28.608+0530    Failed: open D:\Z\Downloads\car_evaluation.csv: The system cannot find the file specified.
2023-02-22T09:47:28.609+0530    0 document(s) imported successfully. 0 document(s) failed to import.

C:\Program Files\MongoDB\Tools\100\bin>mongoimport --db employee --collection Bank --type=csv --headerline --file"D:\Z\Downloads\car_evaluation.csv"
2023-02-22T09:51:18.328+0530    connected to: mongod://localhost/
2023-02-22T09:51:18.365+0530    1728 document(s) imported successfully. 0 document(s) failed to import.
```

```
mongosh mongod://127.0.0.1:27017/mongostart?directConnection=true&serverSelectionTimeoutMS=2000
Please enter a MongoDB connection string (Default: mongod://localhost/): mongostart
mongostart
Current Mongosh Log ID: 63f5924e84a1e92d947b012d
Connecting to: mongod://127.0.0.1:27017/mongostart?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.6.2
Using MongoDB: 6.0.4
Using Mongosh: 1.6.2

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

-----
The server generated these startup warnings when booting
2023-02-18T00:57:58.591+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enablefreeMonitoring()
To permanently disable this reminder, run the following command: db.disablefreeMonitoring()
-----

mongostart> show db
MongoServerError: [COWWON-100001] 'db' is not a valid argument for "show".
mongostart> show dbs
admin            40.00 KiB
config           84.00 KiB
employee         72.00 KiB
local            72.00 KiB
mongostart> use employee
switched to db employee
employee> show collections
Student
employee> db.createCollection('Bank');
{ ok: 1 }
employee> db.Bank.find(
... )
[
  {
    _id: ObjectId("63f5983e78604d63d4bec41d"),
    A: 'high',
    B: 'high',
    C: 2,
    D: 2,
    E: 'small',
    F: 'low',
  }
]
```

Importing a JSON file through the cmd under the bin directory of MongoDB Command Line Database Tools.

```
C:\Program Files\MongoDB\Tools\100\bin>mongoimport --jsonArray --db employee --collection iris --type=json --file="D:\Z\Downloads\iris.json"
2023-02-22T10:03:50.614+0530   connected to: mongodb://localhost/
2023-02-22T10:03:50.632+0530   150 document(s) imported successfully. 0 document(s) failed to import.
```

```
employee> db.createCollection('iris')
{ ok: 1 }
employee> db.iris.find()
{
  {
    _id: ObjectId("63f59b2e322149dd8cd120d8"),
    sepalLength: 4.6,
    sepalWidth: 3.1,
    petalLength: 1.5,
    petalWidth: 0.2,
    species: 'setosa'
  },
  {
    _id: ObjectId("63f59b2e322149dd8cd120d9"),
    sepalLength: 5,
    sepalWidth: 3.6,
    petalLength: 1.4,
    petalWidth: 0.2,
    species: 'setosa'
  },
}
```

Importing a TSV file through the cmd under the bin directory of MongoDB Command Line Database Tools.

```
C:\Program Files\MongoDB\Tools\100\bin>mongoimport --db employee --collection Attendance --type=tsv --headerline --file="D:\Z\Downloads\output.tsv"
2023-02-22T10:10:34.119+0530   connected to: mongodb://localhost/
2023-02-22T10:19:34.125+0530   41 document(s) imported successfully. 0 document(s) failed to import.
```

```
employee> db.createCollection('Attendance')
{ ok: 1 }
employee> db.Attendance.find()
{
  {
    _id: ObjectId("63f59ede49e3863609480ab8"), 'Names': 'Lekha J' },
  {
    _id: ObjectId("63f59ede49e3863609480ab9"),
    'Names': 'ABHILASH B 20805001'
  },
  {
    _id: ObjectId("63f59ede49e3863609480aba"),
    'Names': 'AKSHAYA V S 20805023'
  },
}
```