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# BIG DATA ANALYTICS

# MONGODB

# Sort Records

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# MongoDB: Sort Records

# MongoDB: *Sort Records*

## The sort() Method:

- To **sort** documents in **MongoDB**, we need to use **sort()** method.
- The **method** accepts a **document** containing a **list of fields** along with their **sorting order**.
- To specify **sorting order** **1** and **-1** are used.
- **1** is used for **ascending order** while **-1** is used for **descending order**.

# MongoDB: *Sort Records*

## The `sort()` Method: *Syntax*

The basic syntax of `sort()` method is as follows:

```
>db.COLLECTION_NAME.find().sort({KEY:1})
```

# MongoDB: *Sort Records*

## The sort() Method: *Example*

```
> show dbs
```

```
admin          0.000GB
```

```
config         0.000GB
```

```
local          0.000GB
```

```
mydb           0.000GB
```

```
sampleDB      0.000GB
```

```
test          0.000GB
```

```
> use test
```

```
switched to db test
```

# MongoDB: *Sort Records*

## The sort() Method: *Example*

```
> show collections
```

```
Employee
```

```
EmployeeDetails
```

```
Softwareemployee
```

```
bdacollection
```

```
blogspost
```

```
courses
```

```
mongodbcollection
```

```
mycollection
```

```
softwareemployee
```

# MongoDB: *Sort Records*

## The sort() Method: *Example*

```
> db.Employee.find().pretty()
```

```
Command Prompt - mongo
> db.Employee.find().pretty()
{
  "_id" : ObjectId("634bfe4112c650f5e845ddc9"),
  "First_Name" : "Rasineni Madana",
  "Last_Name" : "Mohana",
  "Date_Of_Birth" : "1980-12-26",
  "e_mail" : "rmmnaidu@yahoo.co.in",
  "phone" : "0123456789",
  "Age" : "35"
}
{
  "_id" : ObjectId("634c03ef12c650f5e845ddca"),
  "First_Name" : "Rasineni Madana",
  "Last_Name" : "Mohana",
  "Date_Of_Birth" : "1981-06-15",
  "e_mail" : "rmmnaidu@gmail.com",
  "phone" : "0123456789"
}
{
  "_id" : ObjectId("634c03ef12c650f5e845ddcb"),
  "First_Name" : "Madan",
  "Last_Name" : "Mohan",
  "Date_Of_Birth" : "1980-12-26",
  "e_mail" : "rmmnaidu@gmail.com",
  "phone" : "9876543210",
  "Age" : "35"
}
```

# MongoDB: *Sort Records*

## The `sort()` Method: *Example*

*Following example* will display the documents sorted by **First\_Name** in the **descending order**.

```
> db.Employee.find({},  
{"First_Name":1,_id:0}).sort({"First_Name":-1})
```

Command Prompt - mongo

```
> db.Employee.find({},{"First_Name":1,_id:0}).sort({"First_Name":-1})  
{ "First_Name" : "Rasineni Madana" }  
{ "First_Name" : "Rasineni Madana" }  
{ "First_Name" : "Madana Mohana" }  
{ "First_Name" : "Madan" }
```



# MongoDB: *Sort Records*

## The `sort()` Method: *Example*

*Following example* will display the documents sorted by **First\_Name** in the *ascending order*.

```
> db.Employee.find({},  
{"First_Name":1,_id:0}).sort({"First_Name":1})
```

Command Prompt - mongo

```
> db.Employee.find({},{"First_Name":1,_id:0}).sort({"First_Name":1})  
{ "First_Name" : "Madan" }  
{ "First_Name" : "Madana Mohana" }  
{ "First_Name" : "Rasineni Madana" }  
{ "First_Name" : "Rasineni Madana" }  
> _
```

# MongoDB: *Sort Records*

## The `sort()` Method: *Example*

**Note:** If we don't specify the sorting preference, then `sort()` method will display the documents in *ascending order*.