Aggregation framework cont'd

$skip stage operator

$skip stage operator skips the specified number of documents that pass into the stage and passes the remaining documents to the next stage in the pipeline. $skip has no effect on the content of the documents it passes along the pipeline.

Syntax

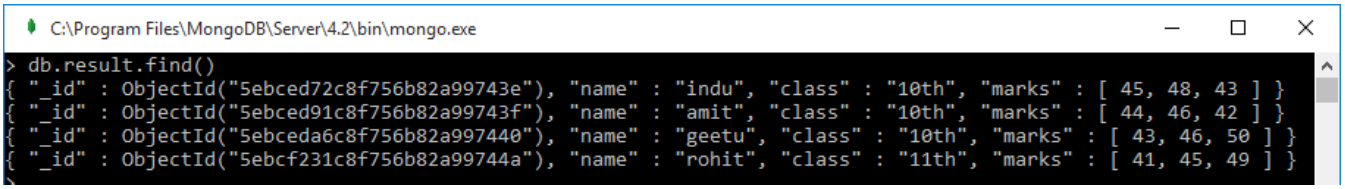
{ $skip: <positive integer> }

Where,

positive integer specifies the maximum number of documents to skip to be passed with $skip stage operator.

Example

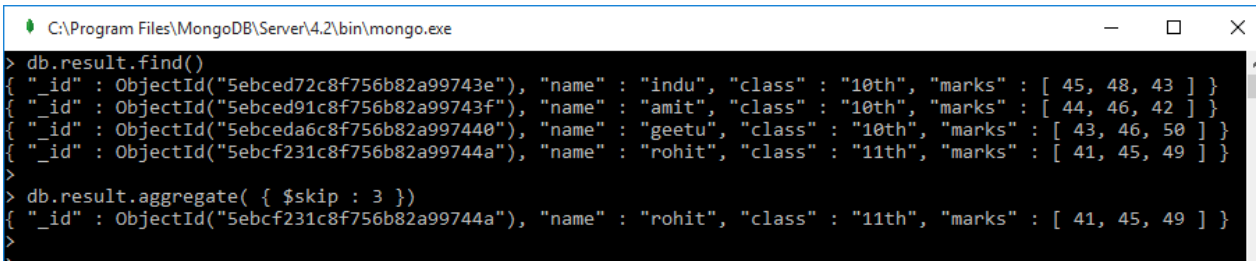
Consider the result collection having 4 documents:



- If we want to skip first 3 records of result collection, then the command will be

  db.result.aggregate({ $skip : 3 })

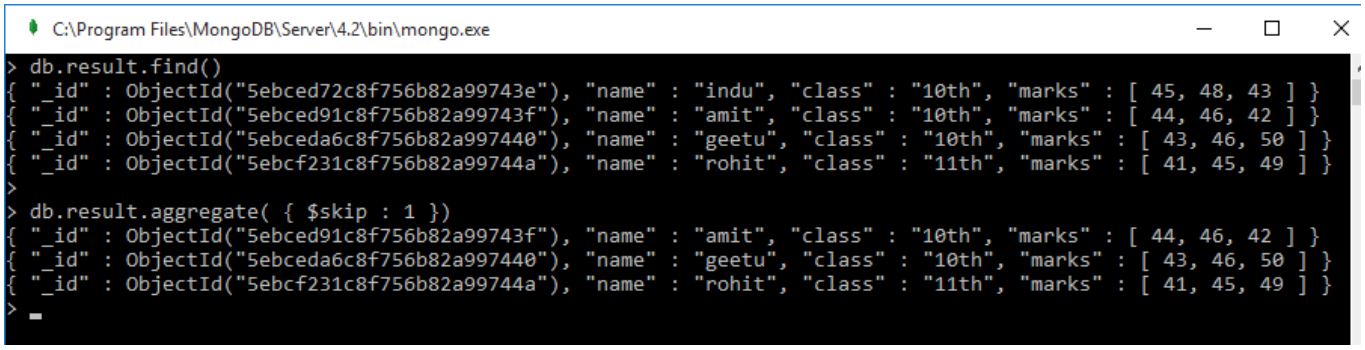
This operation skips the first 3 documents passed to it by the pipeline :



- If we want to skip only the first records of result collection, then the command will be

db.result.aggregate({ $skip : 1 })

This operation skips the first documents passed to it by the pipeline :



$limit stage operator

$limit stage operator returns the first N documents, where N is the specified limit and these output documents may be passed to the next stage in the pipeline.

Syntax

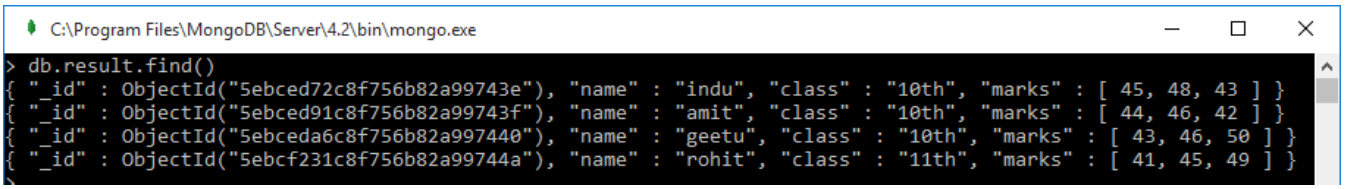
{ $limit: <positive integer> }

Where,

positive integer specifies the maximum number of documents to be passed, i.e. no of documents for next stage in the pipeline.

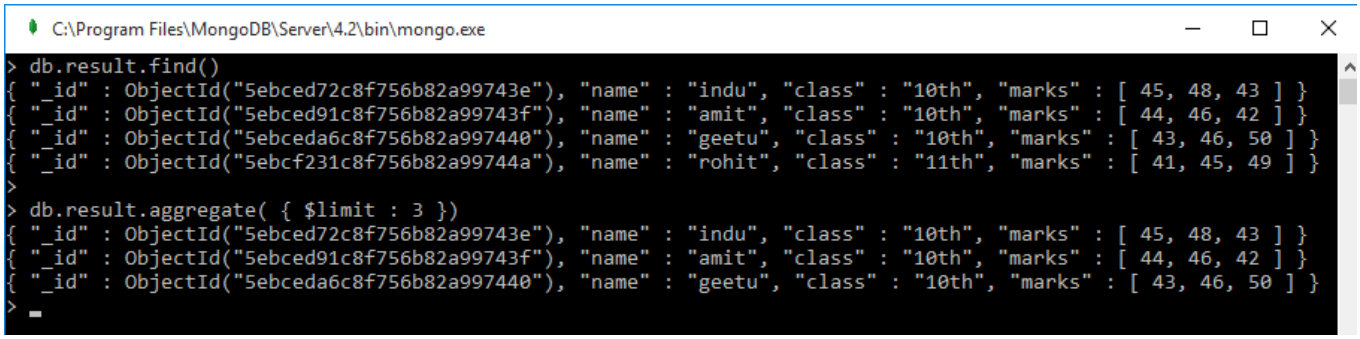
Example

Consider the result collection having 4 documents:



- If we want to pass only first 3 records of the result collection, then the command will be

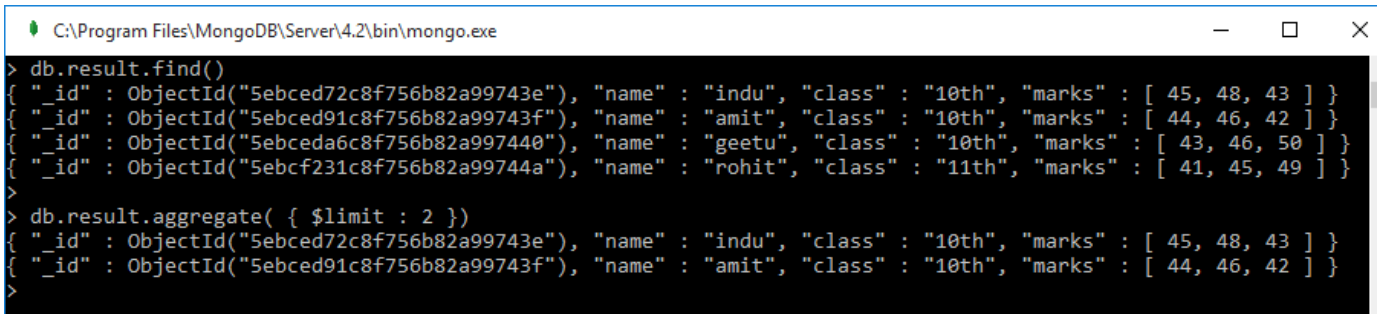
  db.result.aggregate({ $limit : 3 })



The above command will pass only top 3 documents.

- If we want to pass only first 2 records of the result collection, then the command will be

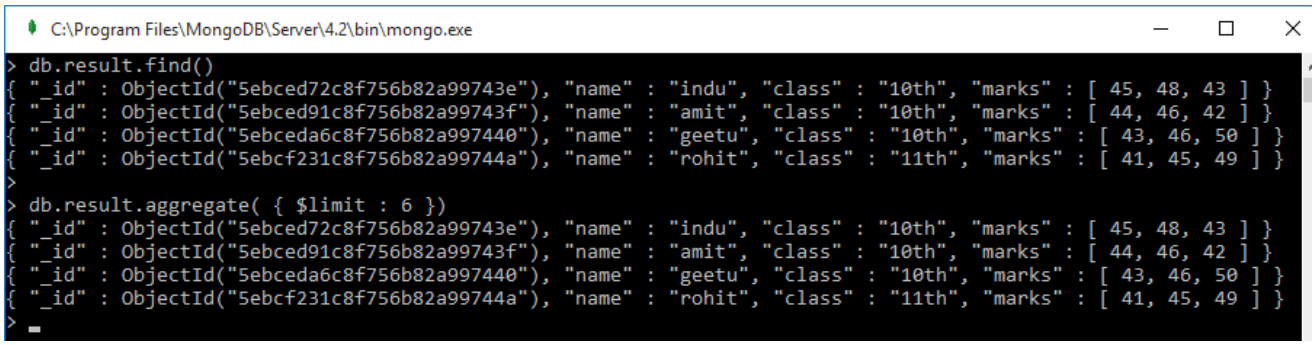
  db.result.aggregate({ $limit : 2 })



- If we want to pass only first 6 documents of the result collection, then the command will be

  db.result.aggregate({ $limit : 6 })

but if the collection is not having the specified documents, then all the documents available in the collection will be passed, no Error will be displayed. Here there are 4 documents which are passed:



Assignments

1. What do you mean by Skip stage operator? Explain.
2. How limit stage operator is used in aggregation?