## ADVANCED DATABASE MANAGEMENT

**SYSTEMS** LAB – db.collection.aggregate()

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## db.collection.aggregate()

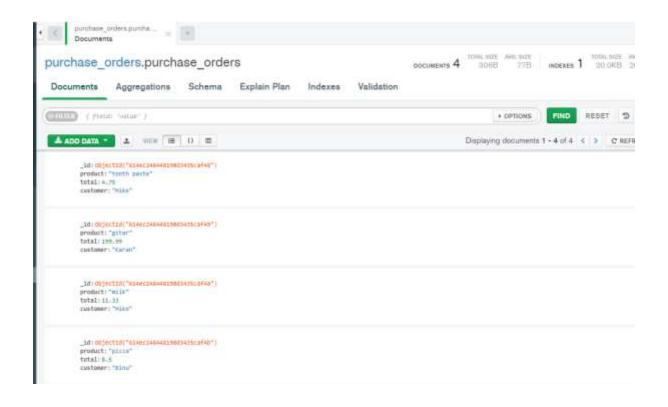
## Definition

db.collection.aggregate(pipeline, options)

Calculates aggregate values for the data in a collection.

Parameter	Туре	Description
pipeline	array	A sequence of data aggregation operations or stages. See the aggregation pipeline operators for details. The method can still accept the pipeline stages as separate arguments instead of as elements in an array; however, if you do not specify the pipeline as an array, you cannot specify the options parameter.
options	document	Optional. Additional options that aggregate() passes to the aggregate command.

## output



```
> db.purchase_orders.aggregate([{$match: {} },{$group: {_id: "$customer", total: {$sum: "$total"}}}])
{ "_id" : "Mike", "total" : 16.08 }
{ "_id" : "Binu", "total" : 8.5 }
{ "_id" : "Karan", "total" : 199.99 }
>
```

```
> db.purchase_orders.aggregate([{$match: {} },{$group: {_id: "$product", total: {$sum: "$total"}}}])
{ "_id": "gitar", "total": 199.99 }
{ "_id": "milk", "total": 11.33 }
{ "_id": "tooth paste", "total": 4.75 }
{ "_id": "pizza", "total": 8.5 }
>
```

